

## Rabbit Dynamin-1 Polyclonal Antibody | anti-DNM1 antibody

Phospho-Dynamin-1 (Ser774) Antibody

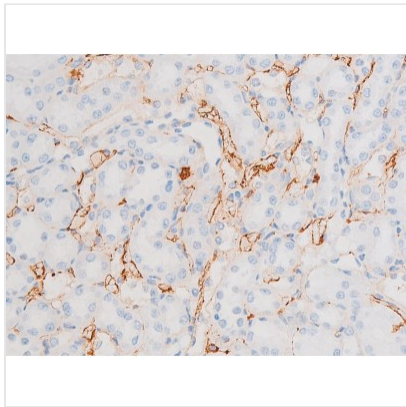
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA31065  | Rabbit | Human, Mouse, Rat | Western Blot, Immunohistochemistry, ELISA |

### PRODUCT SYNONYMS

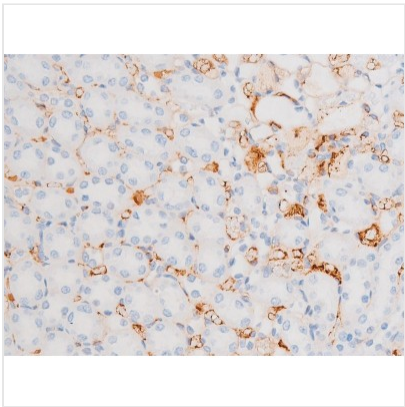
Dynamin-1; Polyclonal Antibody; Phospho-Dynamin-1 (Ser774) Antibody; B dynamin; D100; DNM 1; DNM; DNM1; DYN1\_HUMAN; Dynamin; Dynamin1; anti-DNM1 antibody

### PRODUCT SPECIFICATIONS

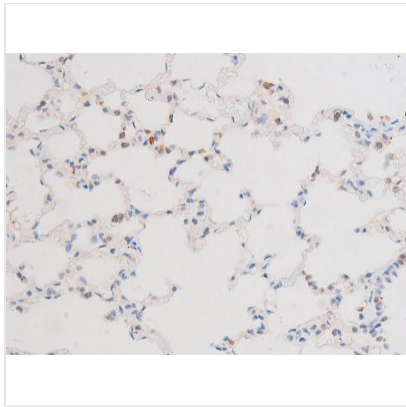
|                                                |                                                                                                                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                 |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                      |
| Clonality                                      | Polyclonal                                                                                                                             |
| Isotype                                        | IgG                                                                                                                                    |
| Specificity                                    | Phospho-Dynamin-1 (Ser774) antibody detects endogenous levels of Dynamin-1 only when phosphorylated at Serine 774                      |
| Purity/Purification                            | From purified rabbit serum by affinity purification via sequential chromatography on phospho-and non-phospho-peptide affinity columns. |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                          |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                                                 |
| Sequence Length                                | 851                                                                                                                                    |
| Applicable Applications for anti-DNM1 antibody | WB (Western Blot), IHC (Immunohistochemistry), ELISA                                                                                   |
| Application Notes                              | WB: 1:500-1:2000<br>IHC: 1:50-1:200                                                                                                    |
| Immunogen                                      | A synthesized peptide derived from human Dynamin-1 around the phosphorylation site of Serine 774                                       |
| Subcellular Location                           | Cytoplasm. Cytoplasm > Cytoskeleton. Microtubule-associated.                                                                           |
| Predicted Cross Reactivity                     | <b>Pig, Bovine, Sheep, Dog, Chicken</b>                                                                                                |
| Similarity                                     | Pig (83%), Bovine (92%), Sheep (92%), Dog (100%), Chicken (92%)                                                                        |
| Conjugation                                    | Unconjugated                                                                                                                           |
| Epitope                                        | Phospho Ser774                                                                                                                         |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                      |



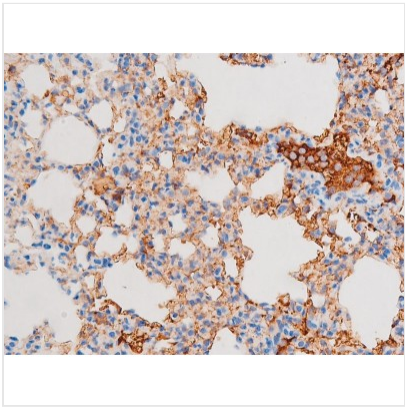
**IHC (Immunohistochemistry)**  
AAA31065 at 1/200 staining Rat kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



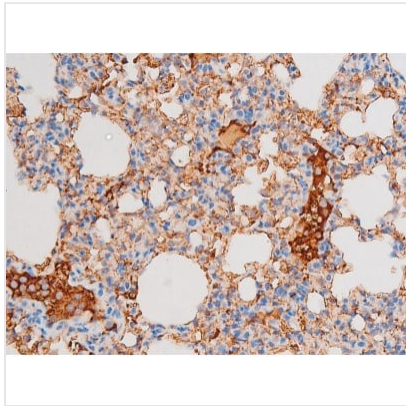
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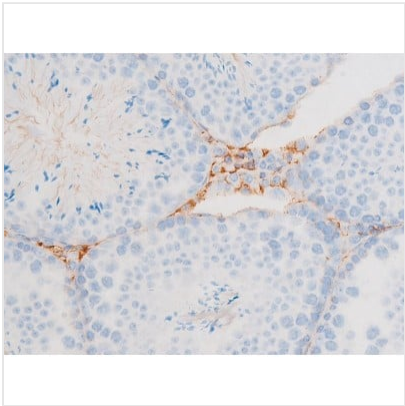
**IHC (Immunohistochemistry)**  
AAA31065 at 1/200 staining Rat lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**IHC (Immunohistochemistry)**  
AAA31065 at 1/200 staining Mouse lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**IHC (Immunohistochemistry)**  
AAA31065 at 1/200 staining Mouse lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



**IHC (Immunohistochemistry)**  
AAA31065 at 1/200 staining Mouse testis tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DNM1 antibody | <p>Description: Dynamins represent one of the subfamilies of GTP-binding proteins. These proteins share considerable sequence similarity over the N-terminal portion of the molecule, which contains the GTPase domain.</p> <p>Function: Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Most probably involved in vesicular trafficking processes. Involved in receptor-mediated endocytosis.</p> <p>Subunit Structure: Interacts with CAV1 and SH3GLB1. Binds SH3GL1, SH3GL2 and SH3GL3 (By similarity). Interacts with PHOCN. Interacts with PACSIN1, PACSIN2 and PACSIN3 (By similarity). Interacts with SNX9. Interacts with MYO1E (via SH3 domain). Interacts with SNX33 (via SH3 domain). Interacts with UNC119; leading to a decrease of DNM1 GTPase activity (By similarity). Interacts with DIAPH1 (PubMed:23325789).</p> <p>Similarity: Belongs to the TRAFAC class dynamin-like GTPase superfamily. Dynamin/Fzo/YdjA family.</p> |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 56549117                                       |
| NCBI GeneID                      | 1759                                           |
| NCBI Accession #                 | NP_001005336.1                                 |
| NCBI GenBank Nucleotide #        | NM_001005336.2                                 |
| UniProt Accession #              | Q05193; Q5SYX0; Q5SYX2; Q6P3T6; Q86VD2; A6NLM6 |
| Molecular Weight                 | Observed: 97 kDa<br>Predicted: 98 kDa          |
| NCBI Official Full Name          | dynamin-1 isoform 2                            |
| NCBI Official Synonym Full Names | dynamin 1                                      |
| NCBI Official Symbol             | DNM1                                           |
| NCBI Official Synonym Symbols    | DNM; EIEE31                                    |
| NCBI Protein Information         | dynamin-1                                      |
| UniProt Protein Name             | Dynamin-1                                      |
| UniProt Gene Name                | DNM1                                           |
| UniProt Synonym Gene Names       | DNM                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dynamin-1-antibody-western-blot-immunohistochemistry-elisa/31065>