

## Rabbit 4-Aminobutyrate Aminotransferase Polyclonal Antibody | anti-ABAT antibody

Polyclonal Antibody to 4-Aminobutyrate Aminotransferase (ABAT)

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                   |
|-----------|--------|-------------------|----------------------------------------------------------------|
| AAA145648 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Immunocytochemistry, Western Blot |

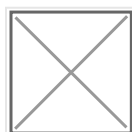
### PRODUCT SYNONYMS

4-Aminobutyrate Aminotransferase; Polyclonal Antibody; Polyclonal Antibody to 4-Aminobutyrate Aminotransferase (ABAT); GABAT; L-AIBAT; 4-Anobutyrate Tansaminase; (S)-3-amino-2-methylpropionate transaminase; Gamma-amino-N-butyrate transaminase; anti-ABAT antibody

### PRODUCT SPECIFICATIONS

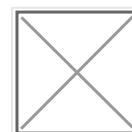
|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity                                     | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Specificity                                    | The antibody is a rabbit polyclonal antibody raised against ABAT. It has been selected for its ability to recognize ABAT in immunohistochemical staining and western blotting.                                                                                                                                                                                                                                                                                      |
| Purity/Purification                            | Affinity Chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Form/Format                                    | Supplied as solution form in PBS, pH7.4, Containing 0.02% NaN <sub>3</sub> , 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                          |
| Concentration                                  | 500ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sequence Length                                | 425                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-ABAT antibody | ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                     |
| Fragment                                       | ABAT (Pro249~Lys500)                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Conjugate                                      | No Conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cross Reactivity                               | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Immunoglobulin Type                            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Quality Control                                | Content: The quality control contains recombinant ABAT (Pro249~Lys500) disposed in loading buffer.<br>Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.<br>5uL per well when used in enhanced chemilumescient (ECL).<br>Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.<br>Loading Buffer: 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol,BPB 0.01%, NaN <sub>3</sub> 0.02%. |
| Conjugated Antibody                            | The APC conjugated antibody version of this item is also available as                                                                                                                                                                                                                                                                                                                                                                                               |
| Preparation and Storage                        | Store at 4 degree C for frequent use. Stored at -20 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                       |

### IMAGES



**IHC (Immunohistochemistry)**

DAB staining on formalin fixed paraffin- embedded liver tissue



**WB (Western Blot)**

Western Blot: Sample: Recombinant protein.



**WB (Western Blot)**

Western Blot: Sample: Rat Cerebrum lysate; Primary Ab: 3ug/ml Rabbit Anti-Human ABAT  
Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

**NCBI AND UNIPROT INFORMATION**

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| NCBI GI #                        | 38679950                                        |
| NCBI GeneID                      | 18                                              |
| NCBI Accession #                 | NP_000654.2                                     |
| NCBI GenBank Nucleotide #        | NM_000663.4                                     |
| UniProt Accession #              | P80404; Q16260; Q8N5W2; Q96BG2; Q99800; A8K386  |
| Molecular Weight                 | 56,439 Da                                       |
| NCBI Official Full Name          | 4-aminobutyrate aminotransferase, mitochondrial |
| NCBI Official Synonym Full Names | 4-aminobutyrate aminotransferase                |
| NCBI Official Symbol             | ABAT                                            |
| NCBI Official Synonym Symbols    | GABAT; NPD009; GABA-AT                          |
| NCBI Protein Information         | 4-aminobutyrate aminotransferase, mitochondrial |
| UniProt Protein Name             | 4-aminobutyrate aminotransferase, mitochondrial |
| UniProt Gene Name                | <b>ABAT</b>                                     |
| UniProt Synonym Gene Names       | GABAT; GABA-AT; GABA transaminase; GABA-T       |

**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/4-aminobutyrate-aminotransferase-antibody-immunohistochemistry-immunocytochemistry-western-blot-elisa/145648>