

## Rabbit DDAH2 Polyclonal Antibody | anti-DDAH2 antibody

Anti-DDAH2 Antibody

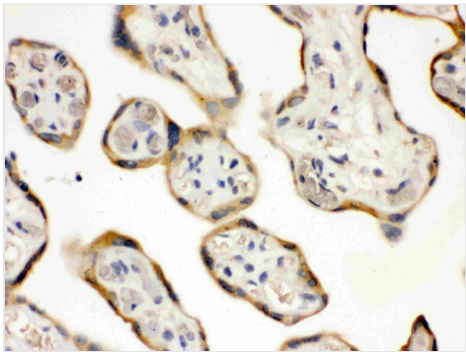
| CATALOG # | HOST   | REACTIVITY                                                    | APPLICATIONS                       |
|-----------|--------|---------------------------------------------------------------|------------------------------------|
| AAA46645  | Rabbit | Human, Mouse, Rat<br>No cross reactivity with other proteins. | Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

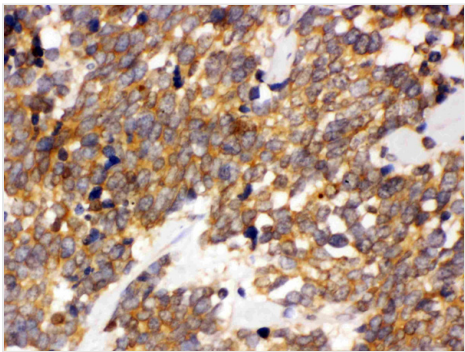
DDAH2; Polyclonal Antibody; Anti-DDAH2 Antibody; DDAH; DDAH II; DDAHII; DDAH-2; DDAH 2; Dimethylargininase 2; Dimethylargininase-2; G6a; NG30; Protein G6a; S phase protein; S-phase protein; O95865; N(G); N(G)-dimethylarginine dimethylaminohydrolase 2; dimethylarginine dimethylaminohydrolase 2; anti-DDAH2 antibody

### PRODUCT SPECIFICATIONS

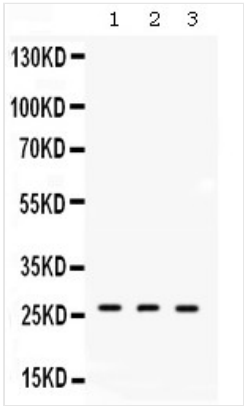
|                                                 |                                                                                                                                                                                                           |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                    |
| Reactivity                                      | Human, Mouse, Rat<br>No cross reactivity with other proteins.                                                                                                                                             |
| Clonality                                       | Polyclonal                                                                                                                                                                                                |
| Isotype                                         | IgG                                                                                                                                                                                                       |
| Purity/Purification                             | Immunogen affinity purified.                                                                                                                                                                              |
| Form/Format                                     | Lyophilized                                                                                                                                                                                               |
| Sequence Length                                 | 285                                                                                                                                                                                                       |
| Applicable Applications for anti-DDAH2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                             |
| Immunogen                                       | A synthetic peptide corresponding to a sequence at the C-terminus of human DDAH2 (190-224aa DAAQKAVRAMAVLTDHPYASLTLPDDAADCLFLR), different from the related mouse and rat sequences by three amino acids. |
| Contents                                        | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.                                                                                                                                       |
| Reconstitution                                  | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                      |
| Preparation and Storage                         | At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.      |



**IHC (Immunohistochemisry)**  
DDAH2 was detected in paraffin-embedded sections of human placenta tissues using rabbit anti- DDAH2 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



**IHC (Immunohiostchemistry)**  
DDAH2 was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- DDAH2 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



**WB (Western Blot)**  
Western blot analysis of DDAH2 expression in rat lung extract (lane 1), mouse lung extract (lane 2) and human placenta extract (lane 3). DDAH2 at 27KD was detected using rabbit anti- DDAH2 Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DDAH2 antibody | Rabbit IgG polyclonal antibody for N (G),N (G)-dimethylarginine dimethylaminohydrolase 2 (DDAH2) detection. Background: DDAH2 is known as dimethylarginine dimethylaminohydrolase 2 which is mapped to 6p21.3 by radiation hybrid and FISH analysis. This gene encodes a dimethylarginine dimethylaminohydrolase. DDAH2 functions in nitric oxide generation by regulating the cellular concentrations of methylarginines, which in turn inhibit nitric oxide synthase activity. The protein may be localized to the mitochondria. Alternative splicing resulting in multiple transcript variants.                                                                                                                                                                                                         |
| References                                          | 1. Leiper, J. M., Santa Maria, J., Chubb, A., MacAllister, R. J., Charles, I. G., Whitley, G. S., Vallance, P. Identification of two human dimethylarginine dimethylaminohydrolases with distinct tissue distributions and homology with microbial arginine deiminases.Biochem. J. 343: 209-214, 1999.<br>2. Smith, C. L., Birdsey, G. M., Anthony, S., Arrigoni, F. I., Leiper, J. M., Vallance, P. Dimethylarginine dimethylaminohydrolase activity modulates ADMA levels, VEGF expression, and cell phenotype. Biochem. Biophys. Res. Commun. 308: 984-989, 2003.<br>3. Tran, C. T. L., Fox, M. F., Vallance, P., Leiper, J. M. Chromosomal localization, gene structure, and expression pattern of DDAH1: comparison with DDAH2 and implications for evolutionary origins. Genomics 68: 101-105, 2000. |

NCBI AND UNIPROT INFORMATION

|                  |                |
|------------------|----------------|
| NCBI GI #        | 731441424      |
| NCBI GeneID      | 23564          |
| NCBI Accession # | NP_001289936.1 |

|                                  |                                                                    |
|----------------------------------|--------------------------------------------------------------------|
| NCBI GenBank Nucleotide #        | <a href="#">NM_001303007.1</a>                                     |
| UniProt Accession #              | <a href="#">O95865</a> ; <a href="#">A2BEZ7</a>                    |
| Molecular Weight                 | 29,644 Da                                                          |
| NCBI Official Full Name          | N(G),N(G)-dimethylarginine dimethylaminohydrolase 2                |
| NCBI Official Synonym Full Names | dimethylarginine dimethylaminohydrolase 2                          |
| NCBI Official Symbol             | DDAH2                                                              |
| NCBI Official Synonym Symbols    | G6a; DDAH; NG30; DDAHII; HEL-S-277                                 |
| NCBI Protein Information         | N(G),N(G)-dimethylarginine dimethylaminohydrolase 2                |
| UniProt Protein Name             | N(G),N(G)-dimethylarginine dimethylaminohydrolase 2                |
| UniProt Gene Name                | <b>DDAH2</b>                                                       |
| UniProt Synonym Gene Names       | DDAH; G6A; NG30; DDAH-2; Dimethylarginine dimethylaminohydrolase 2 |
| UniProt Entry Name               | DDAH2_HUMAN                                                        |

**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/ddah2-antibody-immunohistochemistry-western-blot-elisa/46645>