

Rabbit anti-Human DDAH1 Polyclonal Antibody | anti-DDAH1 antibody

Anti-DDAH1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254768	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

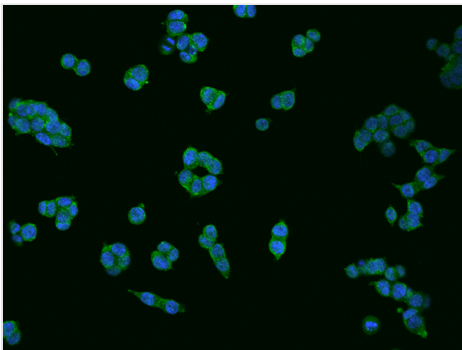
PRODUCT SYNONYMS

DDAH1; Polyclonal Antibody; Anti-DDAH1 Antibody; Rabbit Polyclonal; DDAH1 Antibody; Rabbit PAb; Antigen Affinity Purified; anti-DDAH1 antibody

PRODUCT SPECIFICATIONS

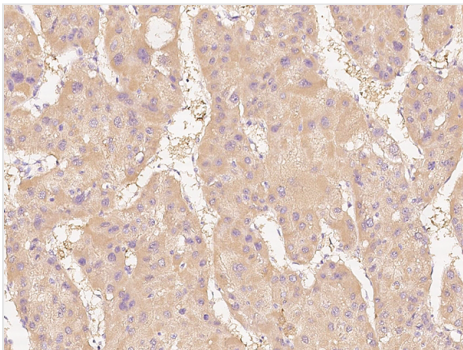
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human DDAH1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DDAH1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human DDAH1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human DDAH1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



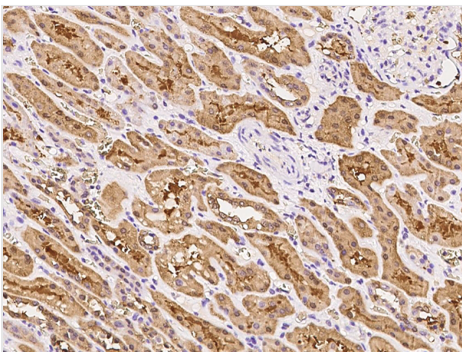
IF (Immunofluorescence)

Immunofluorescence staining of DDAH1 in HCT116 cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human DDAH1 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human DDAH1 in human hepatoma with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human DDAH1 in human kidney with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-DDAH1 antibody	Dimethylarginine dimethylaminohydrolase 1 (DDAH1) is a critical enzyme that can degrade asymmetric dimethylarginine, an endogenous nitric oxide synthase (NOS) inhibitor. Increased DDAH1 expression and subsequent increased NO production have been linked to cancer. Specifically, DDAH1 is implicated in establishment of a vascular network by tumor cells, vasculogenic mimicry (VM), which is strongly associated with tumor progression and poor patient prognosis. DDAH1 is a potential therapeutic target for cardiovascular diseases and breast cancers.
References	Wang H, et al. (2016) Ddah1 plays dual roles in pm2.5 induced cell death in a549 cells. Biochim Biophys Acta 1860 (12): 2793-2801. Trittman JK, et al. (2019) Ddah1 regulates apoptosis and angiogenesis in human fetal pulmonary microvascular endothelial cells. Physiol Rep 7 (12): e14150. Liu X, et al. (2013) Regulation of ddah1 as a potential therapeutic target for treating cardiovascular diseases. Evid Based Complement Alternat Med 2013 619207.

NCBI AND UNIPROT INFORMATION

NCBI GI #	197313763
NCBI GeneID	23576
NCBI Accession #	NP_001127917.1
NCBI GenBank Nucleotide #	NM_001134445.1
UniProt Accession #	O94760; Q5HYC8; Q86XK5
Molecular Weight	20,189 Da

NCBI Official Full Name	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1 isoform 2
NCBI Official Synonym Full Names	dimethylarginine dimethylaminohydrolase 1
NCBI Official Symbol	DDAH1
NCBI Official Synonym Symbols	DDAH; HEL-S-16
NCBI Protein Information	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1; N(G),N(G)-dimethylarginine dimethylaminohydrolase 1; DDAH-1; DDAHI; NG, NG-dimethylarginine dimethylaminohydrolase; dimethylargininase-1; epididymis secretory protein Li 16
UniProt Protein Name	N(G),N(G)-dimethylarginine dimethylaminohydrolase 1
UniProt Gene Name	DDAH1
UniProt Synonym Gene Names	DDAH; DDAH-1; Dimethylarginine dimethylaminohydrolase 1
UniProt Entry Name	DDAH1_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/ddah1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/254768>