

DDAH2 Rabbit mAb
Catalog # AP77826**Specification**

DDAH2 Rabbit mAb - Product Information

Application	WB
Primary Accession	O95865
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	29644

DDAH2 Rabbit mAb - Additional Information**Gene ID** 23564**Other Names**
DDAH2**Dilution**
WB~~1/500-1/1000**Format**
Liquid**DDAH2 Rabbit mAb - Protein Information****Name** DDAH2 ([HGNC:2716](#))**Synonyms** DDAH, G6A, NG30**Function**

Putative hydrolase with unknown substrate (Probable). Does not hydrolyze N(G),N(G)-dimethyl-L-arginine (ADMA) which acts as an inhibitor of NOS (PubMed:21493890, PubMed:37296100). In endothelial cells, induces expression of vascular endothelial growth factor (VEGF) via phosphorylation of the transcription factor SP1 by PKA in a process that is independent of NO and NO synthase (By similarity). Similarly, enhances pancreatic insulin secretion through SP1-mediated transcriptional up-regulation of secretagogen/SCGN, an insulin vesicle docking protein (By similarity). Upon viral infection, relocates to mitochondria where it promotes mitochondrial fission through activation of DNM1L leading to the inhibition of innate response activation mediated by MAVS (PubMed:33850055).

Cellular Location

Cytoplasm. Mitochondrion Note=Translocates from cytosol to mitochondrion upon IL1B stimulation in chondrocytes

Tissue Location

Detected in heart, placenta, lung, liver, skeletal muscle, kidney and pancreas, and at very low levels in brain

DDAH2 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DDAH2 Rabbit mAb - Images