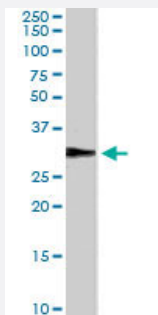


DDAH2 polyclonal antibody

Catalog # PAB6092

Size 100 ug

Applications



Western Blot (Tissue lysate)

DDAH2 polyclonal antibody (Cat # PAB6092) staining (1 ug/mL) of human heart extracts (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of DDAH2.

Immunogen A synthetic peptide corresponding to human DDAH2.

Sequence SSLCLVLSTRPHS

Host Goat

Theoretical MW (kDa) 29.6

Reactivity Human, Mouse

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
 ELISA (1:2000)
 Western Blot (1-3 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

DDAH2 polyclonal antibody (Cat # PAB6092) staining (1 ug/mL) of human heart extracts (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — DDAH2

Entrez GeneID	23564
Protein Accession#	NP_039268.1
Gene Name	DDAH2
Gene Alias	DDAH, DDAHII, G6a, NG30
Gene Description	dimethylarginine dimethylaminohydrolase 2
Omim ID	604744
Gene Ontology	Hyperlink
Gene Summary	This gene belongs to the dimethylarginine dimethylaminohydrolase (DDAH) gene family. The encoded enzyme plays a role in nitric oxide generation by regulating cellular concentrations of methyl arginines, which in turn inhibit nitric oxide synthase activity. [provided by RefSeq]
Other Designations	NG-dimethylarginine dimethylamino hydrolase homolog OTTHUMP00000029307 OTTHUMP0000029308 OTTHUMP00000062666 OTTHUMP00000174406 alternative name: NG30, G6a dimethylarginine dimethylaminohydrolase II

Publication Reference

- [Calycosin and formononetin from astragalus root enhance dimethylarginine dimethylaminohydrolase 2 and nitric oxide synthase expressions in Madin Darby Canine Kidney II cells.](#)

Bai F, Makino T, Kono K, Nagatsu A, Ono T, Mizukami H.

Journal of Natural Medicines 2013 Oct; 67(4):782.

Application: WB, ELISA, Dog, MDCK (NBL-2) cells

- [Anti-hypertensive effects of shichimotsukokato in 5/6 nephrectomized Wistar rats mediated by the DDAH-ADMA-NO pathway.](#)

Bai F, Makino T, Ono T, Mizukami H.

Journal of Natural Medicines 2012 Oct; 66(4):583.

Application: WB-Ti, Rat, Rat kidneys

- [Identification of two human dimethylarginine dimethylaminohydrolases with distinct tissue distributions and homology with microbial arginine deiminases.](#)

Leiper JM, Santa Maria J, Chubb A, MacAllister RJ, Charles IG, Whitley GS, Vallance P.

The Biochemical Journal 1999 Oct; 343 Pt 1:209.

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