

DDAH2 Rabbit mAb

Catalog No: #49823



Package Size: #49823-1 50ul #49823-2 100ul

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Support: tech@signalwayantibody.com

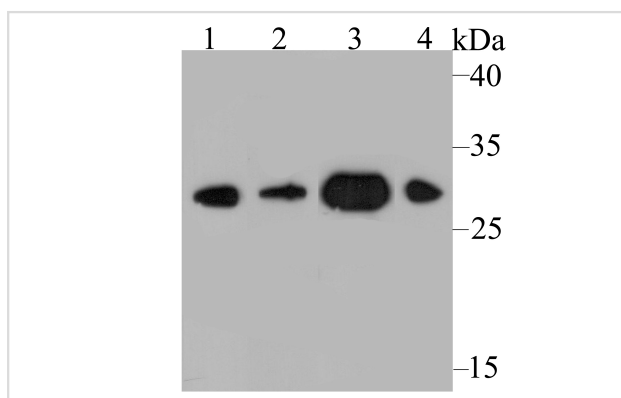
Description

Product Name	DDAH2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB59-33
Purification	ProA affinity purified
Applications	WB,IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic peptide within Human DDAH2 aa 1-100
Other Names	DDAH antibody DDAH II antibody DDAH-2 antibody DDAH2 antibody DDAH2_HUMAN antibody DDAHII antibody Dimethylargininase 2 antibody Dimethylargininase-2 antibody Dimethylarginine dimethylaminohydrolase 2 antibody Dimethylarginine dimethylaminohydrolase II antibody G6a antibody N(G),N(G)-dimethylarginine dimethylaminohydrolase 2 antibody NG dimethylarginine dimethylamino hydrolase homolog antibody NG30 antibody OTTHUMP00000029307 antibody OTTHUMP00000029310 antibody OTTHUMP00000174488 antibody OTTHUMP00000174489 antibody Protein G6a antibody S phase protein antibody S-phase protein antibody
Accession No.	Swiss-Prot#:O95865
Calculated MW	30kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:2,000-1:5,000 IP: 1:10-:50

Images



Western blot analysis of DDAH2 on different tissue lysates using anti-DDAH2 antibody at 1/2,000 dilution. Positive control: Lane 1: Rat heart Lane 2: Mouse heart Lane 3: Mouse lung Lane 4: Human lung

Background

DDAH, a dimethylarginine dimethylaminohydrolase, hydrolyzes dimethyl arginine (ADMA) and monomethyl arginine (MMA), both inhibitors of nitric oxide synthases, and may be involved in in-vivo modulation of nitric oxide production. Impairment of DDAH causes ADMA accumulation and a reduction in cGMP generation. DDAH II, the predominant DDAH isoform in endothelial cells, facilitates the induction of nitric oxide synthesis by all-trans-Retinoic acid (atRA). DDAH proteins are highly expressed in colon, kidney, stomach and liver tissues.

References

1. Leiper J M et al. Identification of two human dimethylarginine dimethylaminohydrolases with distinct tissue distributions and homology with microbial arginine deiminases. *Biochem J* 343:209-214 (1999).
2. Cillero-Pastor B et al. Dimethylarginine dimethylaminohydrolase 2, a newly identified mitochondrial protein modulating nitric oxide synthesis in normal human chondrocytes. *Arthritis Rheum* 64:204-212 (2012).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.