

Anti-DDAH1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Dog,Pig,Cow,Rabbit,Sheep)
Molecular Weight:	Theoretical: 31 kDa. Actual: 33 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample: BV-2 (Mouse) Cell Lysate at 30 µg Primary: Anti-DDAH1 (TMAB-05023) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 33 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human DDAH1
Antigen Species:	Human
Gene ID:	23576
Uniprot ID:	O94760

Research 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 (1,2). Impairment of DDAH causes ADMA accumulation and a reduction in cGMP generation (3). DDAH II, the predominant DDAH isoform in endothelial cells, facilitates the induction of nitric oxide synthesis by all-trans-Retinoic acid (atRA) (4). DDAH proteins are highly expressed in colon, kidney, stomach and liver tissues (1).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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