




Product datasheet

Anti-DDAH2 antibody ab232694

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Overview

Product name	Anti-DDAH2 antibody
Description	Rabbit polyclonal to DDAH2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human, Pig Predicted to work with: Mouse, Rat, Cow 
Immunogen	Recombinant fragment (His-tag) corresponding to Human DDAH2 aa 1 to the C-terminus. (Expressed in E.coli). Database link: O95865 <div>  Run BLAST with  Run BLAST with </div>
Positive control	WB: Recombinant human DDAH2 protein; Pig brain lysate; MCF7 cell lysate. IHC-P: Human prostate, brain, colorectal cancer, glioma and stomach cancer tissues.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 44.12% PBS, 55.77% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Purification notes	ab232694 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.

Clonality	Polyclonal
Isotype	IgG

Applications

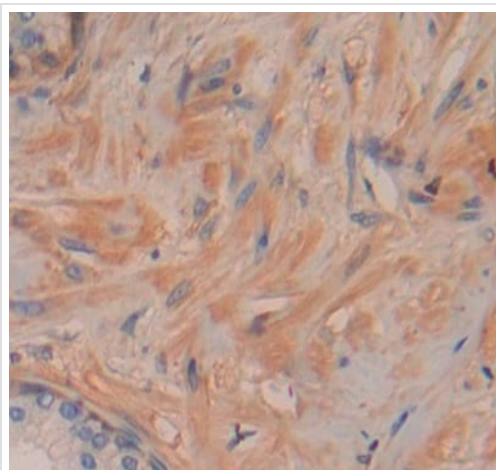
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab232694 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 30 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

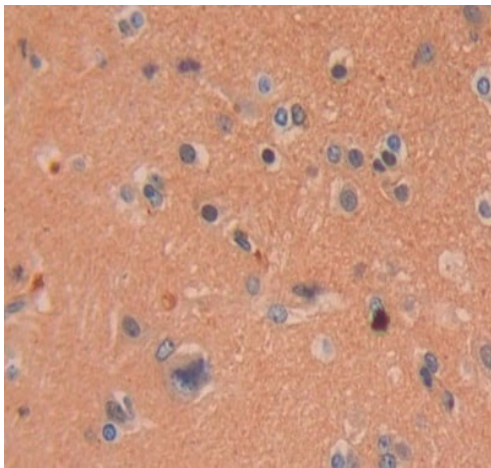
Function	Hydrolyzes N(G),N(G)-dimethyl-L-arginine (ADMA) and N(G)-monomethyl-L-arginine (MMA) which act as inhibitors of NOS. Has therefore a role in the regulation of nitric oxide generation.
Tissue specificity	Detected in heart, placenta, lung, liver, skeletal muscle, kidney and pancreas, and at very low levels in brain.
Sequence similarities	Belongs to the DDAH family.

Images



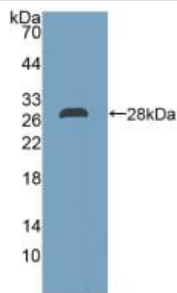
Paraffin-embedded human prostate tissue stained for DDAH2 using ab232694 at 10 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDAH2 antibody (ab232694)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDAH2 antibody (ab232694)

Paraffin-embedded human brain tissue stained for DDAH2 using ab232694 at 20 µg/ml in immunohistochemical analysis. DAB staining.



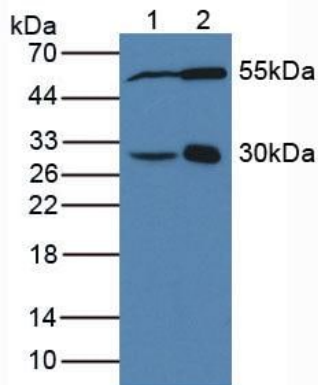
Western blot - Anti-DDAH2 antibody (ab232694)

Anti-DDAH2 antibody (ab232694) at 2 µg/ml + Recombinant human DDAH2 protein

Secondary

HRP-Linked Guinea pig anti-Rabbit at 1/2000 dilution

Predicted band size: 30 kDa



Western blot - Anti-DDAH2 antibody (ab232694)

All lanes : Anti-DDAH2 antibody (ab232694) at 2 µg/ml

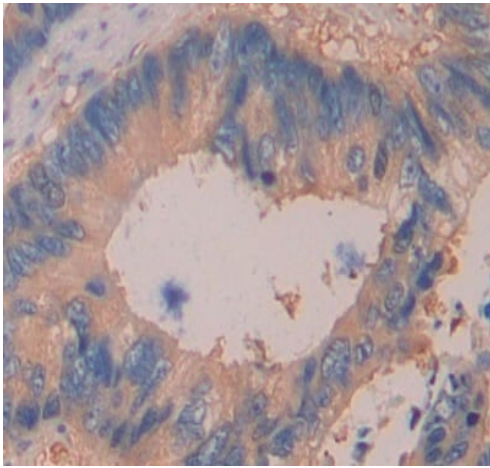
Lane 1 : MCF7 (human breast adenocarcinoma cell line) cell lysate

Lane 2 : Pig brain lysate

Secondary

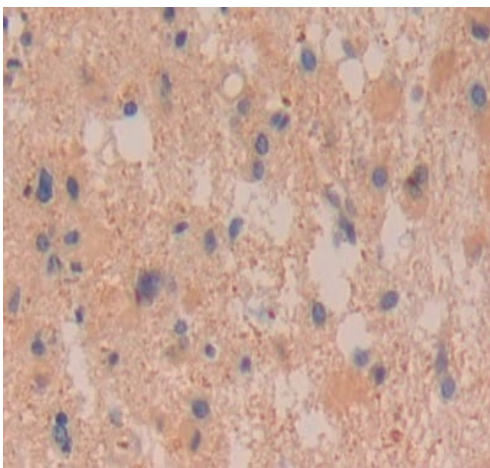
All lanes : HRP-Linked Guinea pig anti-Rabbit at 1/2000 dilution

Predicted band size: 30 kDa



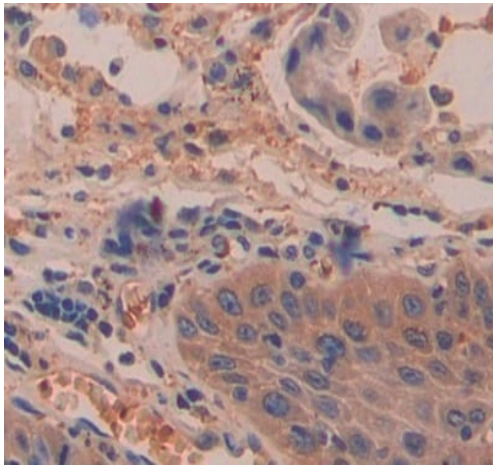
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDAH2 antibody (ab232694)

Paraffin-embedded human colorectal cancer tissue stained for DDAH2 using ab232694 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDAH2 antibody (ab232694)

Paraffin-embedded human glioma tissue stained for DDAH2 using ab232694 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDAH2 antibody (ab232694)

Paraffin-embedded human stomach cancer tissue stained for DDAH2 using ab232694 at 20 µg/ml in immunohistochemical analysis. DAB staining.

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