

Datasheet for ABIN6741619
anti-IDH1 antibody (AA 290-339)



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3 Images

Overview

Quantity:	100 µL
Target:	IDH1
Binding Specificity:	AA 290-339
Reactivity:	Human, Mouse, Rat, Dog, Cow, Monkey, Rabbit, Guinea Pig, Horse, Pig, Sheep, Hamster, Xenopus laevis, Chicken
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IDH1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide located between aa290-339 of human IDH1 (Q8LFC0, NP_005887). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey, Galago, Marmoset, Mouse, Rat, Sheep, Hamster, Dog, Cat, Bovine, Rabbit, Horse, Pig, Opossum, Guinea pig, Turkey, Zebra finch, Chicken, Platypus, Lizard, Xenopus, Beetle (100%), Panda, Armadillo, Rice, Arabidopsis (92%), Drosophila (85%). Type of Immunogen: Synthetic peptide
Isotype:	IgG

Product Details

Specificity:	Human IDH1
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Mouse, Rat, Dog, Bovine, Rabbit, Horse, Pig, Guinea pig, Chicken, Xenopus (100%).
Purification:	Immunoaffinity purified

Target Details

Target:	IDH1
Alternative Name:	IDH1 / IDH (IDH1 Products)
Background:	Name/Gene ID: IDH1 Synonyms: IDH1, IDCD, IDP, IDPC, PICD, NADP(+)-specific ICDH, IDH, Oxalosuccinate decarboxylase
Gene ID:	3417
NCBI Accession:	NP_005887
UniProt:	O75874
Pathways:	Warburg Effect

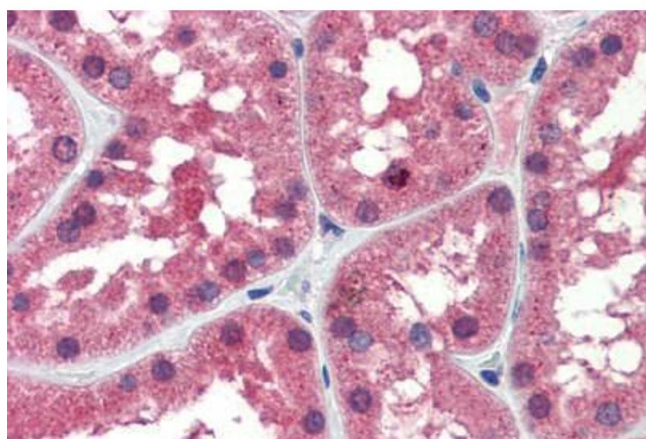
Application Details

Application Notes:	Approved: IHC, IHC-P (5 µg/mL), WB Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL. ELISA titer using peptide based assay: 1:1562500. Western Blot: Suggested dilution at 1 µg/mL in 5 % skim milk / PBS buffer, and HRP conjugated anti-Rabbit IgG should be diluted in 1:50000 - 100000 as second antibody.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

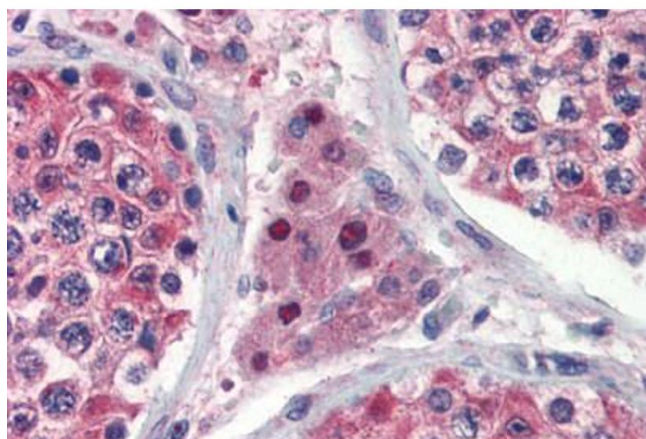
Format:	Lyophilized
Reconstitution:	Distilled Water.
Concentration:	Lot specific
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year) Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

Images



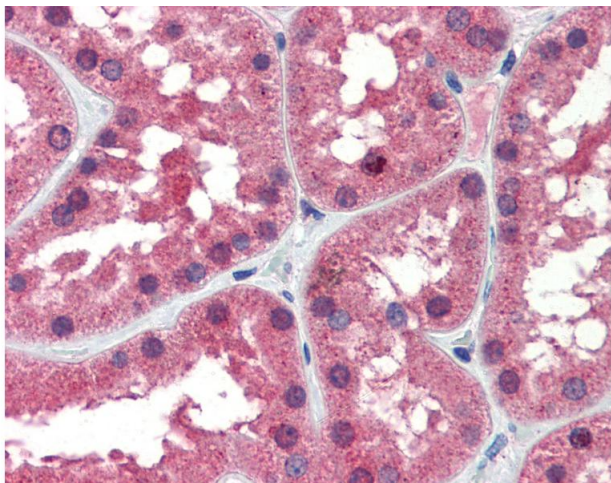
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Kidney (formalin-fixed, paraffin-embedded) stained with IDH1 antibody ABIN462259 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Human Testis (formalin-fixed, paraffin-embedded) stained with IDH1 antibody ABIN462259 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 3. Anti-IDH1 antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this product. Other form ...