

Rabbit Six1 Polyclonal Antibody | anti-SIX1 antibody

Six1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198376	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Six1; Polyclonal Antibody; Six1 antibody - N-terminal region; anti-SIX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: ER LGRFLWSLPA CDHLHKNESV LKAKAVVAFH RGNFRELYKI LESHQFSP
Sequence Length	284
Applicable Applications for anti-SIX1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 100%
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-Six1 Antibody Titration: 1.0 ug/ml Positive Control: Mouse Kidney



IHC (Immunohistochemistry)

Rabbit Anti-Six1 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Adult heart
Observed Staining: Cytoplasmic, Nuclear (very rare in Nuclear)
Primary Antibody Concentration: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy2/3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec
Protocol located in Reviews and Data.

ADDITIONAL INFORMATION

Related Product Information for anti-SIX1 antibody	This is a rabbit polyclonal antibody against Six1. It was validated on Western Blot Target Description: Six1 is a transcription factor that is involved in regulation of organogenesis. It seems to be required for development of kidney, muscle and inner ear and to be involved in later steps of myogenic differentiation. It may be involved in limb tendon and ligament development. It binds a 5'-TCA[AG][AG]TTNC-3' motif present in the MEF3 element in the myogenin promoter. It is thought to be regulated by association with Dach and Eya proteins. Six1 acts as activator of the IGFBP5 promoter, probably coactivated by EYA2. Repression of precursor cell proliferation in myoblasts is switched to activation through recruitment of EYA3 phosphatase to the SIX1-DACH1 complex. During myogenesis, Six1 seems to act together with EYA2 and DACH2 .
Product Categories/Family for anti-SIX1 antibody	Polyclonal; Neurobiology; Transcription Regulation; Cell Structure; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	226958387
NCBI GeneID	20471
NCBI Accession #	NP_033215
NCBI GenBank Nucleotide #	NM_009189
UniProt Accession #	Q62231
Molecular Weight	32kDa
NCBI Official Full Name	homeobox protein SIX1
NCBI Official Synonym Full Names	sine oculis-related homeobox 1
NCBI Official Symbol	Six1
NCBI Official Synonym Symbols	BB138287
NCBI Protein Information	homeobox protein SIX1
UniProt Protein Name	Homeobox protein SIX1
UniProt Gene Name	Six1
UniProt Entry Name	SIX1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/six1-antibody-immunohistochemistry-western-blot-elisa/198376>