

Rabbit SIX6 Polyclonal Antibody | anti-SIX6 antibody

SIX6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321208	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

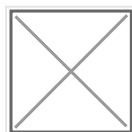
PRODUCT SYNONYMS

SIX6; Polyclonal Antibody; SIX6 Antibody; Homeobox protein SIX6; Homeodomain protein OPTX2; MCOPCT 2; MCOPCT2; Optic homeobox 2; OPTX 2; OPTX2; Sine oculis homeobox homolog 6; SIX 6; Six 9; SIX homeobox 6; Six6; SIX6_HUMAN; Six9; anti-SIX6 antibody

PRODUCT SPECIFICATIONS

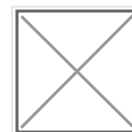
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SIX6 antibody detects endogenous levels of SIX6
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	246
Applicable Applications for anti-SIX6 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SIX6
Subcellular Location	Nucleus
Tissue Specificity	Expressed in the developing and adult retina. Also expressed in the hypothalamic and the pituitary regions.
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA321208 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis on HuvEc cell lysate using SIX6 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321208 staining A-431 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SIX6 antibody	Description: SIX6 May be involved in eye development. Belongs to the SIX/Sine oculis homeobox family. Note: This description may include information from UniProtKB. Function: May be involved in eye development. Subunit Structure: Interacts with TLE4 and AES. Similarity: Belongs to the SIX/Sine oculis homeobox family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	186910311
NCBI GeneID	4990
NCBI Accession #	NP_031400.2
NCBI GenBank Nucleotide #	NM_007374.2
UniProt Accession #	O95475; Q6NT42; Q9P1X8
Molecular Weight	Observed: 28 kDa Predicted: 28 kDa
NCBI Official Full Name	homeobox protein SIX6
NCBI Official Synonym Full Names	SIX homeobox 6
NCBI Official Symbol	SIX6
NCBI Official Synonym Symbols	Six9; ODRMD; OPTX2; MCOPCT2
NCBI Protein Information	homeobox protein SIX6
UniProt Protein Name	Homeobox protein SIX6
UniProt Gene Name	SIX6
UniProt Synonym Gene Names	OPTX2; SIX9

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/six6-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321208>