

Rabbit EYA3 Polyclonal Antibody | anti-EYA3 antibody

EYA3 Antibody

CATALOG # AAA328850	HOST Rabbit	REACTIVITY Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

EYA3; Polyclonal Antibody; EYA3 Antibody; AI844637; DKFZp686C132; EYA3_HUMAN; Eyes absent 3; Eyes absent 3 homolog (Drosophila); Eyes absent homolog 3; OTTMUSP00000010370; RP11-460I13.4; RP23-442A20.1; anti-EYA3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	EYA3 Antibody detects endogenous levels of EYA3.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
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	573
Applicable Applications for anti-EYA3 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human EYA3.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Mouse kidney, using EYA3 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using EYA3 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-EYA3 antibody	Description: Tyrosine phosphatase that specifically dephosphorylates 'Tyr-142' of histone H2AX (H2AXY142ph). 'Tyr-142' phosphorylation of histone H2AX plays a central role in DNA repair and acts as a mark that distinguishes between apoptotic and repair responses to genotoxic stress. Promotes efficient DNA repair by dephosphorylating H2AX, promoting the recruitment of DNA repair complexes containing MDC1 (PubMed:19234442, PubMed:19351884). Its function as histone phosphatase probably explains its role in transcription regulation during organogenesis. Coactivates SIX1, and seems to coactivate SIX2, SIX4 and SIX5. The repression of precursor cell proliferation in myoblasts by SIX1 is switched to activation through recruitment of EYA3 to the SIX1-DACH1 complex and seems to be dependent on EYA3 phosphatase activity (By similarity). May be involved in development of the eye. Post Translational Modifications: Ser-266 phosphorylation is required for localization at sites of DNA damage and directing interaction with H2AX. Subunit Structure: Interacts with SIX1 and DACH1, and probably SIX2, SIX4, SIX5. Similarity: Belongs to the HAD-like hydrolase superfamily. EYA family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1834491
NCBI GeneID	2140
UniProt Accession #	Q99504
Molecular Weight	Observed: 66 kDa Predicted: 63 kDa
NCBI Official Full Name	EYA3
NCBI Official Synonym Full Names	EYA transcriptional coactivator and phosphatase 3
NCBI Official Symbol	EYA3
NCBI Protein Information	eyes absent homolog 3
UniProt Protein Name	Eyes absent homolog 3
UniProt Gene Name	EYA3
UniProt Entry Name	EYA3_HUMAN

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.