

Rabbit anti-Human, Mouse EYA3 Polyclonal Antibody | anti-EYA3 antibody

EYA3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231356	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

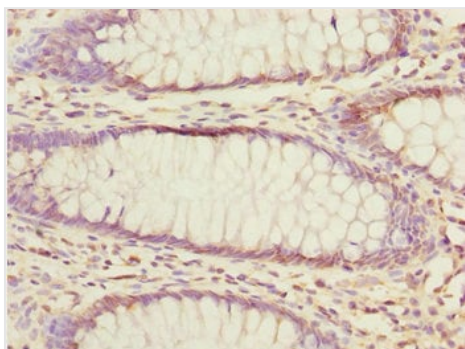
PRODUCT SYNONYMS

EYA3; Polyclonal Antibody; EYA3 Antibody; Eyes absent homolog 3; anti-EYA3 antibody

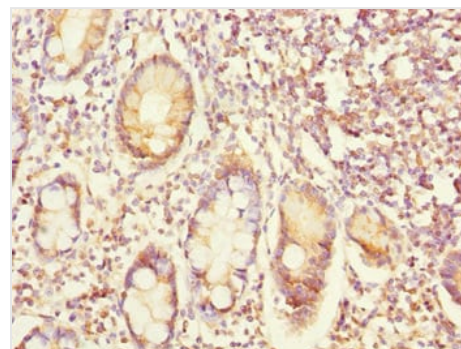
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	536
Applicable Applications for anti-EYA3 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Eyes absent homolog 3 protein (N-300AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-15101 / sc-15103
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

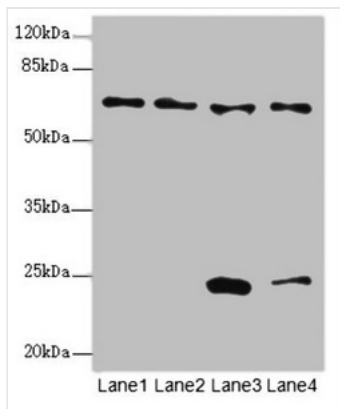
IMAGES


IHC (Immunohistochemisry)

Immunohistochemistry of paraffin-embedded human colon cancer using AAA231356 at dilution 1:100


IHC (Immunohiostchemistry)

Immunohistochemistry of paraffin-embedded human small intestine tissue using AAA231356 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: EYA3 antibody at 1.49ug/mlLane 1 : Hela whole cell lysateLane 2 : 293T whole cell lysateLane 3 : Mouse liver tissueLane 4 : HT29 whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 63,49,59,57,58 kDaObserved band size: 63,24 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-EYA3 antibody	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.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	543173153
NCBI GeneID	2140
NCBI Accession #	NP_001269489.1
NCBI GenBank Nucleotide #	NM_001282560.1
UniProt Accession #	Q99504; O95463; Q8IVX7; Q99813; A8K190; B4DIR7; B4DNZ7
Molecular Weight	57,827 Da
NCBI Official Full Name	eyes absent homolog 3 isoform b
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.