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anti-EYA1 antibody (AA 231-330) (AbBy Fluor® 488)



Go to Product page

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Quantity:	100 μL	
Target:	EYA1	
Binding Specificity:	AA 231-330	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This EYA1 antibody is conjugated to AbBy Fluor® 488	
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))	

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human EYA1	
Isotype:	IgG	
Cross-Reactivity:	Human	
Purification:	Purified by Protein A.	

Target Details

Target:	EYA1	
Alternative Name:	EYA1 (EYA1 Products)	
Background:	Synonyms: BOP, BOR, BOS1, OFC1, Eyes absent homolog 1, EYA1	

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	Background: Functions both as protein phosphatase and as transcriptional coactivator for SIX1,	
	and probably also for SIX2, SIX4 and SIX5. Tyrosine phosphatase that dephosphorylates 'Tyr-	
	142' of histone H2AX (H2AXY142ph) and promotes efficient DNA repair via the recruitment of	
	DNA repair complexes containing MDC1. '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. Its function as histone phosphatase may contribute to its	
	function in transcription regulation during organogenesis. Has also phosphatase activity with	
	proteins phosphorylated on Ser and Thr residues (in vitro). Required for normal embryonic	
	development of the craniofacial and trunk skeleton, kidneys and ears. Together with SIX1, it	
	plays an important role in hypaxial muscle development, in this it is functionally redundant with	
	EYA2.	
Gene ID:	2138	
UniProt:	Q99502	
Pathways:	Sensory Perception of Sound, Positive Regulation of Response to DNA Damage Stimulus	
Application Details		
Application Notes:	IF(IHC-P) 1:50-200	
	IF(IHC-F) 1:50-200	
	IF(ICC) 1:50-200	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.	

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Expiry Date:

12 months