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Datasheet for ABIN1714156 **anti-EYA1 antibody**

Overview

Quantity:	100 µL
Target:	EYA1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EYA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

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

Target Details

Target:	EYA1
Alternative Name:	Eya1 (EYA1 Products)
Background:	<p>Synonyms: BOP, BOR, Eya1, EYA1_HUMAN, eyes absent 1, eyes absent 1 homolog, eyes absent homolog 1 Drosophila, Eyes absent homolog 1, eyes absent homolog1, MGC141875.</p> <p>Background: A gene on chromosome 8q13.3 encodes EYA1 (eyes absent), a protein with 16 exons. EYA1 is one of four members of the eyes absent family. A 271 amino acid domain at the</p>

Target Details

carboxyl terminal is highly conserved amongst the members of the eyes absent family, while the PST (proline-serine-threonin)-rich amino terminal is highly divergent. EYA is expressed in flexor tendons and the developing central nervous system, kidney, eye and ear. EYA1 acts a transcriptional activator in connective tissue patterning through its PST domain, which functions as a transactivation domain. EYA1 plays a critical role in the development of the inner ear and kidney. EYA is involved in early inductive signaling, acting upstream of GDNF. EYA1 has been implicated in the autosomal dominant disorders branchio-oto-renal (BOR) syndrome and branchio-oto (BO) syndrome.

Gene ID:	2138
Pathways:	Sensory Perception of Sound , Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	WB: (1:100-1000), IHC-P: (1:100-500), IF(IHC-P): (1:50-200) Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months