

Anti-EYA1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 65 kDa. Actual: 62 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample:
	Lane 1: Human HepG2 cell lysates
	Lane 2: Human HeLa cell lysates
	Lane 3: Human SH-SY5Y cell lysates
Primary:	Anti-EYA1 (TMAB-05759) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 65 kDa
	Observed band size: 62 kDa
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human EYA1
Antigen Species:	Human
Gene ID:	2138
Uniprot ID:	Q99502

Research 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 carboxyl terminal is highly conserved amongst the members of the eyes absent family, while the PST (proline-serine-threonine)-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-otorenal (BOR) syndrome and branchio-oto (BO) syndrome.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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