

## Goat anti-EYA1 Antibody

<b>Item Number</b>	dAP-1994
<b>Target Molecule</b>	Principle Name: EYA1; Official Symbol: EYA1; All Names and Symbols: EYA1; eyes absent homolog 1 (Drosophila); BOP; BOR; MGC141875; Eyes absent, Drosophila, homolog of, 1; Melnick-Fraser syndrome; OTTHUMP00000195053; eyes absent 1; Accession Number (s): NP_742057.1; NP_000494.2; NP_742056.1; Human Gene ID(s): 2138; Non-Human GeneID(s): 14048 (mouse) 502935 (rat)
<b>Immunogen</b>	TDPTAEYSTIHSP, is from internal region This antibody is expected to recognize all isoforms (NP_742057.1; NP_000494.2; NP_742056.1). Reported variants represent identical protein: NP_000494.2, NP_742055.1
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 16000.
<b>Western Blot</b>	Western Blot: Approx 55kDa band observed in lysates of cell line HEK293 (calculated MW of 60.7kDa according to NP_742056.1). Recommended concentration: 1-3µg/ml.
<b>IHC</b>	

<b>Reference</b>	Reference(s): Orten DJ, Fischer SM, Sorensen JL, Radhakrishna U, Cremers CW, Marres HA, Van Camp G, Welch KO, Smith RJ, Kimberling WJ. Branchio-oto-renal syndrome (BOR): novel mutations in the EYA1 gene, and a review of the mutational genetics of BOR. Human Mutation 2008 Apr 29 (4): 537-44..PMID:
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Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**