

## Goat anti-EYA1 Antibody

Item Number	dAP-1994
Target Molecule	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)
Immunogen	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
Applications	Pep ELISA, WB  Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	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.
IHC	
Reference	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: 18398312

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 end users! This product is sold for **Research Use Only**