

Goat anti-EYA4 Antibody

Item Number	dAP-0839
Target Molecule	Principle Name: EYA4; Official Symbol: EYA4; All Names and Symbols: EYA4; eyes absent homolog 4 (Drosophila); HGNC:3522; DFNA10 ; OTTHUMP00000040267; dJ78N10.1 (eyes absent (Drosophila) homolog 4); deafness, autosomal dominant 10; eyes absent 4; RP11-704J17.4; CMD1J; DFNA10; Accession Number (s): NP_004091.3; NP_742102.2; NP_742103.1; Human Gene ID(s): 2070; Non-Human GeneID (s): 14051 (mouse)
Immunogen	EDSQDLNEQSVKKTC, is from N Terminus This antibody is expected to recognise isoforms a, c and d (NP_004091.3, NP_742102.1 and NP_742103.1 respectively).
Applications	Pep ELISA, IHC 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 128000.
Western Blot	Western Blot: Preliminary experiments gave an approx 50kDa band in Human and Mouse Brain lysates and in pituitary Mouse cell line NIH 3T3 after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the
IHC	Immunohistochemistry: Paraffin embedded Human Testis and Liver. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Schonberger J, Wang L, Shin JT, Kim SD, Depreux FF, Zhu H, Zon L, Pizard A, Kim JB, Macrae CA, Mungall AJ, Seidman JG, Seidman CE. Mutation in the transcriptional coactivator EYA4 causes dilated cardiomyopathy and sensorineural hearing loss. Nat Genet. 2005 Feb 27; [Epub ahead of

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**