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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB06993 - Goat Anti-EYA4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: 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

Official Symbol: EYA4

Accession Number(s): NP_004091.3; NP_742102.2; NP_742103.1

Human GeneID(s): [2070](#)

Non-Human GeneID(s): 14051 (mouse)

Important Comments: This antibody is expected to recognise isoforms a, c and d (NP_004091.3, NP_742102.1 and NP_742103.1 respectively).

Immunogen

Peptide with sequence EDSQDLNEQSVKKTTC, from the N Terminus of the protein sequence according to NP_004091.3; NP_742102.2; NP_742103.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

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 band we observe given the calculated sizes of 69.5kDa, 67.1kDa and 69.4kDa according to NP_004091.2, NP_742102.1 and NP_742103.1 respectively. The 50kDa band was successfully blocked by incubation with the immunizing peptide.

IHC: Paraffin embedded Human Testis and Liver. Recommended concentration: 3.75µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse

EB06993 (3.75µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB06993 (3.75µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.