

EYA4 Antibody

EYA4, eyes absent homolog 4 (Drosophila), HGNC:3522, DFNA10, OTTHUMP00000040267, dJ78N10.1 (eyes absent (Drosophila) homolog 4), deafness, autosomal dominant 10, eyes absent 4

CATALOG NO.: 45-559

HOST:

Goat

CLONALITY:

Polyclonal

INFORMATION:

EYA4 Antibody. This antibody is expected to recognise isoforms a, c and d (NP_004091.2, NP_742102.1 and NP_742103.1 respectively).

SOURCE:

EYA4 antibody was raised against a synthetic peptide of EYA4.

PROTEIN ACCESSION NUMBER(S) :

NP_004091.3, NP_742102.2, NP_742103.1

SPECIES REACTIVITY:

Human, Mouse

TESTED APPLICATION:

E

APPLICATION:

Peptide ELISA: antibody detection limit dilution 1:128,000.
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.

PURIFICATION:

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

BUFFER:

0.1mg of purified antibody in 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

STORAGE:

Aliquot and store at -20°C. Minimize freezing and thawing.

REFERENCE:

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. 20

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.