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

Storage: For long-term storage
keep aliquots at -20°C. (Store no
longer than 12 months at 4°C).
Minimize freezing and thawing.

EB09719 - Goat Anti-PCDH11Y / PCDH11X Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: protocadherin-S, protocadherin X, protocadherin 11X, PCDHX, PCDH11, PCDH-X, RP13-138P15.1, protocadherin Y, protocadherin 22, protocadherin 11 X-linked, OTTHUMP00000033077, PCDHY, PCDH22, PCDH11X, PCDH-PC, protocadherin 11 Y-linked, PCDH11Y

Official Symbol: PCDH11Y

Accession Number(s): NP_116753.1; NP_116754.1; NP_116755.1; NP_055337.1; NP_055337.1; NP_116750.1; NP_116751.1

Human GenelD(s): [83259](#) , [27328](#)

Important Comments: This antibody is expected to recognize all reported Y-linked isoforms (NP_116753.1; NP_116754.1; NP_116755.1) and all reported X-linked isoforms (NP_055337.1; NP_055337.1; NP_116750.1; NP_116751.1).

Immunogen

Peptide with sequence C-KYNWVTPTTFK, from the internal region of the protein sequence according to NP_116753.1; NP_116754.1; NP_116755.1; NP_055337.1; NP_055337.1; NP_116750.1; NP_116751.1.

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 1:8000.

Western blot: Preliminary experiments gave an approx 75kDa band in Human Brain (Amygdala, Hippocampus, Substantia nigra) lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 115kDa according to NP_116753.1 and of 113kDa according to NP_055337.1, the smallest reported isoforms. The 75kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested:

Expected from sequence similarity: Human

Background Reference

Kalmady SV, Venkatasubramanian G,

Evidence for positive selection on Protocadherin Y gene in Homo sapiens: implications for schizophrenia.

Schizophrenia research 2009 Mar 108 (1-3): 299-300.

PMID: 18938061