

### **UK Office**

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# EB07031 - Goat Anti-NOTCH3 Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

Principal Names: NOTCH3, Notch homolog 3 (Drosophila), HGNC:7883, CADASIL, CASIL, Notch (Drosophila) homolog 3, Notch homolog 3 Official Symbol: NOTCH3 Accession Number(s): NP\_000426.2 Human GenelD(s): <u>4854</u>

#### Immunogen

Peptide with sequence C-QLGPQPEVTPKRQ, from the C Terminus of the protein sequence according to NP\_000426.2.

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**

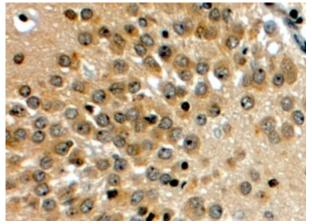
Peptide ELISA: antibody detection limit dilution 1:16000.

**Western blot:** Preliminary experiments gave approx 60+70kDa bands in human brain 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 244kDa according to NP\_000426.2. The 60+70kDa bands were successfully blocked by incubation with the immunizing peptide.

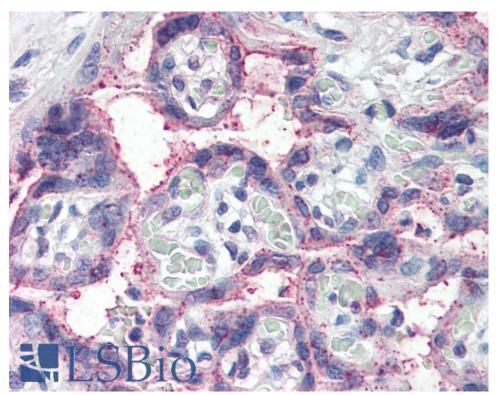
**IHC:** In paraffin embedded Human Hippocampus shows select nuclear staining and weaker staining in different comparments of the neuronal cell bodies. Recommended concentration: 4-6µg/ml. Paraffin embedded Human Placenta. Recommended concentration: 5µg/ml.

# **Species Reactivity**

Tested: Human Expected from sequence similarity: Human, Mouse, Rat



EB07031 (4µg/ml) staining of paraffin embedded Human Hippocampus. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



EB07031 (5µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.