

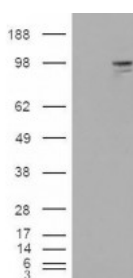


## Neuroigin 3 Antibody

CATALOG NUMBER: 45-958



Western Blot (0.1ug/ml) staining of Human Brain (Amygdala) lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



HEK293 overexpressing Neuregulin3 and probed with antibody (mock transfection in first lane).

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:16000. Western Blot: Approx. 85-90kDa band observed in Human Brain (Amygdala) lysates (calculated MW of 91.6kDa according to NP_061850.2). In transfected HEK293 transiently expressing Neuregulin3 a band of approx. 98kDa is observed. This band is not observed in
<b>POSITIVE CONTROL:</b>	1) Cat. No. XBL-10131 - Human Amygdala Tissue Lysate
<b>IMMUNOGEN:</b>	Neuroigin 3 antibody was raised against a 14 amino acid synthetic peptide near the internal region of Neuroigin 3.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	Neuroigin 3 antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	Neuroigin 3 antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	NLGN3, neuroigin 3, ASPGX1, AUTSX1, HNL3, KIAA1480, NL3
<b>ACCESSION NO.:</b>	NP_061850.2
<b>PROTEIN GI NO.:</b>	51593088
<b>OFFICIAL SYMBOL:</b>	NLGN3

GENE ID: 54413

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### Background

**REFERENCES:** 1) Tabuchi K, Blundell J, Etherton MR, Hammer RE, Liu X, Powell CM, Sudhof TC. A neuroligin-3 mutation implicated in autism increases inhibitory synaptic transmission in mice. Science. 2007 Oct 5;318(5847):71-6. Epub 2007 Sep 6.

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