

Rabbit anti-Human NEU1 Polyclonal Antibody | anti-OXT antibody

NEU1 Antibody (Center)

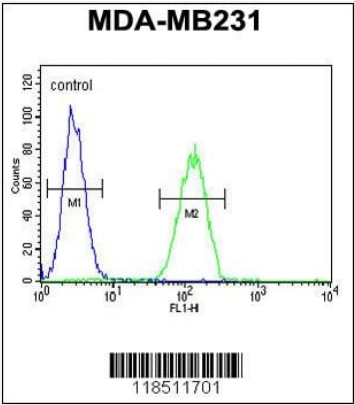
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285008	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

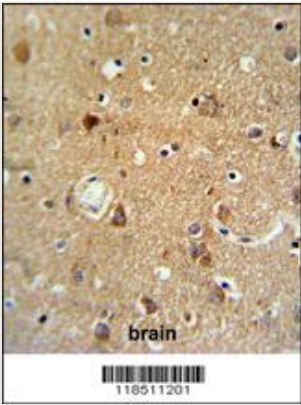
NEU1; Polyclonal Antibody; NEU1 Antibody (Center); Oxytocin-neurophysin 1; OT-NPI; Oxytocin; Ocytocin; Neurophysin 1; OXT; OT; anti-OXT antibody

PRODUCT SPECIFICATIONS

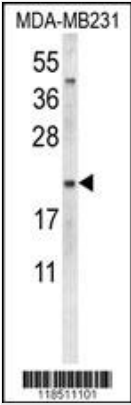
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This NEU1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 11-40 amino acids from the Central region of human NEU1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	11-40
Sequence Length	125
Applicable Applications for anti-OXT antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
NEU1 Antibody (Center) flow cytometric analysis of MDA-MB231 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
NEU1 Antibody (Center) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the NEU1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of NEU1 Antibody (Center) in MDA-MB231 cell line lysates (35ug/lane). NEU1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-OXT antibody	There are two proteins encoded by this gene, oxytocin and neurophysin I. Oxytocin is posterior pituitary hormone which is synthesized as an inactive precursor in the hypothalamus along with its carrier protein neurophysin I. Together with neurophysin, it is packaged into neurosecretory vesicles and transported axonally to the nerve endings in the neurohypophysis, where it is either stored or secreted into the bloodstream. The precursor seems to be activated while it is being transported along the axon to the posterior pituitary. This hormone contracts smooth muscle during parturition and lactation. It is also involved in cognition, tolerance, adaptation and complex sexual and maternal behaviour, as well as in the regulation of water excretion and cardiovascular functions.
Product Categories/Family for anti-OXT antibody	Neuroscience
References	Rao, V.V., et al. Cytogenet. Cell Genet. 61(4):271-273(1992) Ivell, R., et al. Endocrinology 127(6):2990-2996(1990) Wood, S.P., et al. Science 232(4750):633-636(1986) Sausville, E., et al. J. Biol. Chem. 260(18):10236-10241(1985)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505537
NCBI GeneID	5020

NCBI Accession #	NP_000906.1
NCBI GenBank Nucleotide #	NM_000915.3
UniProt Accession #	P01178; Q3MIGO
Molecular Weight	12722
NCBI Official Full Name	oxytocin-neurophysin 1 preproprotein
NCBI Official Synonym Full Names	oxytocin/neurophysin I prepropeptide
NCBI Official Symbol	OXT
NCBI Official Synonym Symbols	OT; OT-NPI; OXT-NPI
NCBI Protein Information	oxytocin-neurophysin 1
UniProt Protein Name	Oxytocin-neurophysin 1
UniProt Gene Name	OXT
UniProt Synonym Gene Names	OT; OT-NPI
UniProt Entry Name	NEU1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/neu1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285008>