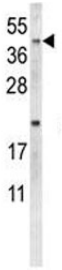
NEU1 Antibody (F51861)

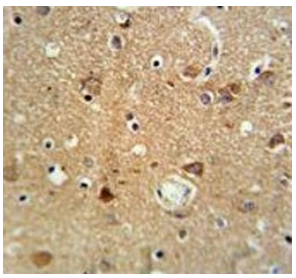
Catalog No.	Formulation	Size
F51861-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51861-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

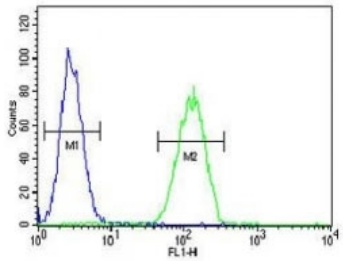
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P01178
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50
Limitations	This NEU1 antibody is available for research use only.



Western blot analysis of NEU1 antibody and MDA-MB231 lysate. Predicted molecular weight ~12 kDa.



NEU1 antibody IHC analysis in formalin fixed and paraffin embedded brain tissue.



NEU1 antibody flow cytometric analysis of MDA-MB231 cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

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.

Application Notes

Titration of the NEU1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 11-40 from the human protein was used as the immunogen for this NEU1 antibody.

Storage

Aliquot the NEU1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.