

Rabbit OXT Polyclonal Antibody | anti-OXT antibody

OXT Polyclonal Antibody

CATALOG # AAA281255	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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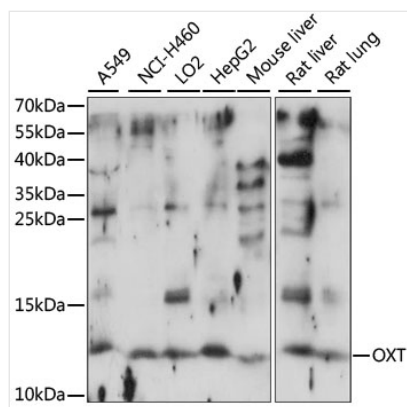
PRODUCT SYNONYMS

OXT; Polyclonal Antibody; OXT Polyclonal Antibody; OT; OT-NPI; OXT-NPI; oxytocin-neur 1; anti-OXT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH7.3.
Sequence Length	125
Applicable Applications for anti-OXT antibody	WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequencecorresponding to amino acids 1-125 of human OXT(NP_000906.1)
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using OXT antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-OXT antibody	This gene encodes a precursor protein that is processed to produce oxytocin and neurophysin I. Oxytocin is a 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	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505537
NCBI GeneID	5020
NCBI Accession #	NP_000906.1
NCBI GenBank Nucleotide #	NM_000915.3
UniProt Accession #	P01178; Q3MIG0
Molecular Weight	Calculated: 12kDa Observed: 13kDa
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

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.