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OXT Rabbit pAb

Catalog No.: A15296

Basic Information

Observed MW
13kDa

Calculated MW
13kDa

Category
Primary antibody

Applications
ELISA,WB

Cross-Reactivity
Human, Mouse, Rat

Background

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.

Recommended Dilutions

WB	1:200 - 1:2000

Immunogen Information

Gene ID
5020

Swiss Prot
P01178

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 1-125 of human OXT (NP_000906.1).

Synonyms
OT; OT-NPI; OXT-NPI; OXT

Contact

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Product Information

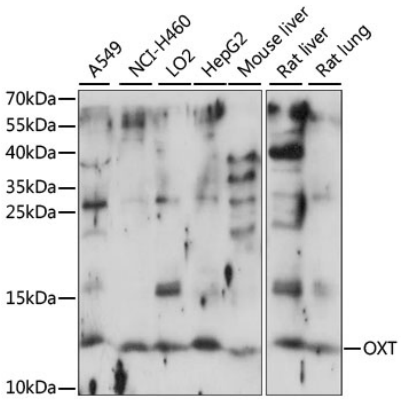
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using OXT Rabbit pAb (A15296) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.