

## Rabbit Preprooxytocin (OT) Polyclonal Antibody | anti-OT antibody

Polyclonal Antibody to Preprooxytocin (OT)

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                 |
|-----------|--------|-------------------|------------------------------------------------------------------------------|
| AAA149704 | Rabbit | Rat, Human, Mouse | Immunoprecipitation, Immunocytochemistry, Immunohistochemistry, Western Blot |

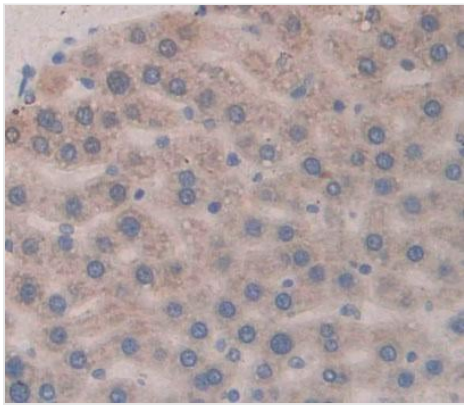
### PRODUCT SYNONYMS

Preprooxytocin (OT); Polyclonal Antibody; Polyclonal Antibody to Preprooxytocin (OT); OXT; Oxytocin; Prepropeptide; Prepro-Neurophysin I; Oxytocin-Neurophysin 1; anti-OT antibody

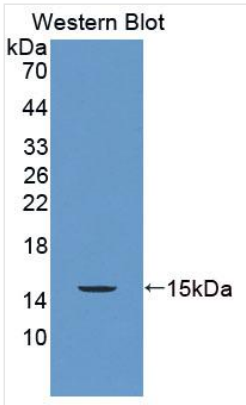
### PRODUCT SPECIFICATIONS

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                         | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Reactivity                                   | Rat, Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality                                    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Specificity                                  | The antibody is a rabbit polyclonal antibody raised against OT. It has been selected for its ability to recognize OT in immunohistochemical staining and western blotting.                                                                                                                                                                                                                                                                                                 |
| Purity/Purification                          | Antigen-specific affinity chromatography followed by Protein A affinity chromatography                                                                                                                                                                                                                                                                                                                                                                                     |
| Form/Format                                  | Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                      |
| Concentration                                | 1mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sequence                                     | Cys20~Glu1 24                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applicable Applications for anti-OT antibody | IP (Immunoprecipitation), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                         |
| Immunogen Sequence                           | Cys20~Glu124                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cross Reactivity                             | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Conjugation                                  | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Preparation and Storage                      | Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months.<br>Avoid repeated freeze/thaw cycles.<br>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

IMAGES



IHC (Immunohistochemistry)  
DAB staining on formalin fixed paraffin-embedded liver tissue



WB (Western Blot)  
Western Blot; Sample: Recombinant OT, Rat.

ADDITIONAL INFORMATION

|                                                |               |
|------------------------------------------------|---------------|
| Product Categories/Family for anti-OT antibody | Endocrinology |
|------------------------------------------------|---------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 6981316                                                                                                                         |
| NCBI GeneID                      | 25504                                                                                                                           |
| NCBI Accession #                 | NP_037128.1                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_012996.3                                                                                                                     |
| UniProt Accession #              | P01179; Q53WU2                                                                                                                  |
| Molecular Weight                 | 12,823 Da                                                                                                                       |
| NCBI Official Full Name          | oxytocin-neurophysin 1 preproprotein                                                                                            |
| NCBI Official Synonym Full Names | oxytocin/neurophysin 1 prepropeptide                                                                                            |
| NCBI Official Symbol             | Oxt                                                                                                                             |
| NCBI Protein Information         | oxytocin-neurophysin 1; OT-NPI; oxytocin; oxytocin, prepropeptide; oxytocin/neurophysin (Oxt) gene, complete gene, complete cds |
| UniProt Protein Name             | Oxytocin-neurophysin 1                                                                                                          |
| UniProt Gene Name                | Oxt                                                                                                                             |
| UniProt Synonym Gene Names       | Ot; OT-NPI                                                                                                                      |
| UniProt Entry Name               | NEU1_RAT                                                                                                                        |

**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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