

IRAP Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57002**Specification**

IRAP Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	O9UIQ6
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	117349

IRAP Polyclonal Antibody - Additional Information**Gene ID** 4012**Other Names**

Leucyl-cystinyl aminopeptidase, Cystinyl aminopeptidase, 3.4.11.3, Insulin-regulated membrane aminopeptidase, Insulin-responsive aminopeptidase, IRAP, Oxytocinase, OTase, Placental leucine aminopeptidase, P-LAP, Leucyl-cystinyl aminopeptidase, pregnancy serum form, LNPEP, OTASE

Dilution

IHC-P ~ ~ N/A
IHC-F ~ ~ N/A
IF ~ ~ 1:50 ~ 200
ICC ~ ~ N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

IRAP Polyclonal Antibody - Protein Information**Name** LNPEP**Synonyms** OTASE**Function**

Release of an N-terminal amino acid, cleaves before cysteine, leucine as well as other amino acids. Degrades peptide hormones such as oxytocin, vasopressin and angiotensin III, and plays a role in maintaining homeostasis during pregnancy. May be involved in the inactivation of neuronal peptides in the brain. Cleaves Met-enkephalin and dynorphin. Binds angiotensin IV and may be the angiotensin IV receptor in the brain.

Cellular Location

Cell membrane; Single-pass type II membrane protein Note=In brain only the membrane-bound form is found. The protein resides in intracellular vesicles together with GLUT4 and can then translocate to the cell surface in response to insulin and/or oxytocin Localization may be determined by dileucine internalization motifs, and/or by interaction with tankyrases

Tissue Location

Highly expressed in placenta, heart, kidney and small intestine. Detected at lower levels in neuronal cells in the brain, in skeletal muscle, spleen, liver, testes and colon

IRAP Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IRAP Polyclonal Antibody - Images