

Polyclonal Antibody to Cathepsin S (CTSS)

Cathepsin S

Catalog # AP74702

Product Information

Application	WB
Primary Accession	Q02765
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36833

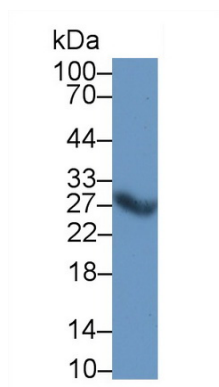
Additional Information

Gene ID	50654
Other Names	CTS-S
Target/Specificity	Rattus norvegicus (Rat)
Dilution	WB~~Western blotting: 0.2-2 μ g/mL;1:250-2500 Immunohistochemistry: 5-20 μ g/mL;1:25-100 Immunocytochemistry: 5-20 μ g/mL;1:25-100 Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	Ctss
Function	Thiol protease (By similarity). Key protease responsible for the removal of the invariant chain from MHC class II molecules and MHC class II antigen presentation. The bond-specificity of this proteinase is in part similar to the specificities of cathepsin L (By similarity). Elicits itch by mediating cleavage and activation of MRGPRX1 (By similarity).
Cellular Location	Lysosome {ECO:0000250 UniProtKB:P25774}. Secreted {ECO:0000250 UniProtKB:P25774}. Cytoplasmic vesicle, phagosome {ECO:0000250 UniProtKB:P25774}
Tissue Location	Highest levels occur in the ileum followed by spleen, brain, thyroid, ovary and uterus. Low levels are found in the liver, kidney, jejunum and lung with lowest levels in the heart

Images



Western Blot; Sample: Rat Spleen lysate Primary Ab: 1
µg/ml Rabbit Anti-Rat CTSS Antibody Second Ab:

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.