

CTSS Antibody

Catalog No: #43650

Package Size: #43650 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

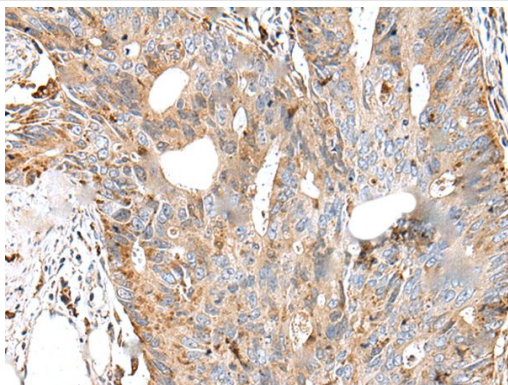
Product Name	CTSS Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total CTSS protein.
Immunogen Description	Synthetic peptide of human CTSS
Conjugates	Unconjugated
Target Name	CTSS
Accession No.	Swiss-Prot#: P25774NCBI Gene ID: 1520
Concentration	0.5mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

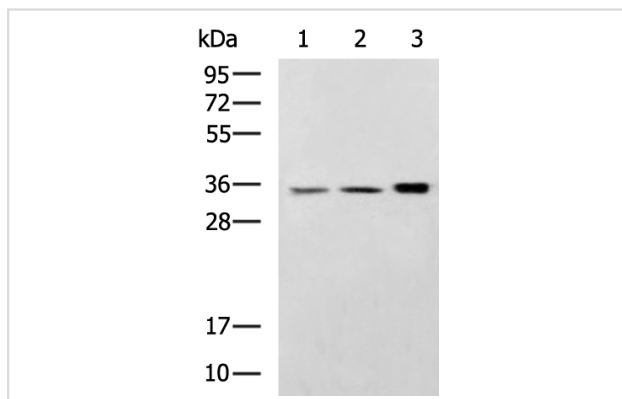
WBoO 500-2000

Immunohistochemistry: 1: 20-100

Images



The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using CTSS Antibody at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)



Gel: 12%SDS-PAGE, Lysate: 40 μ g, Lane 1-3: Jurkat, 231 cell, Mouse brain tissue lysates, Primary antibody: CTSS Antibody at dilution 1/1000, Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution, Exposure time: 3 minutes

Background

The protein encoded by this gene, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that may participate in the degradation of antigenic proteins to peptides for presentation on MHC class II molecules. The encoded protein can function as an elastase over a broad pH range in alveolar macrophages. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.?

Published Papers

Xiao-Ting Luo;Hui-Rong Hu;Zhen-Dong Sun;Li-Hong Zhang;Yan Li et al., Multi-omics analysis reveals that low cathepsin S expression aggravates sepsis progression and worse prognosis via inducing monocyte polarization., , (2025)

[PMID:40115073](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.