

Recombinant Cathepsin D (Tumor Marker) Antibody

Rabbit Monoclonal Antibody [Clone CTSD/9613R]

Catalog No	Format	Size
1509-RBM9-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1509-RBM9-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1509-RBM9-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

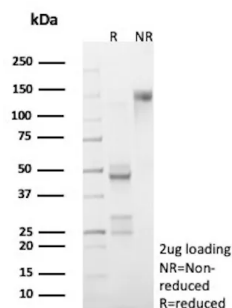
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

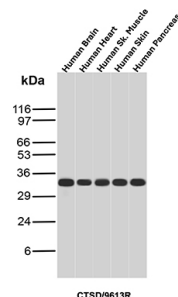
Clone	CTSD/9613R
Immunogen	Recombinant full-length human Cathepsin D protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	44.55kDa
Cellular Localization	Extracellular space, Lysosome, Melanosome, Secreted
Species Reactivity	Human
Positive Control	Human kidney, liver, lung or breast tissues. Brain, Heart, Skeletal muscle, Skin or Pancreas

*Optimal dilution for a specific application should be determined.

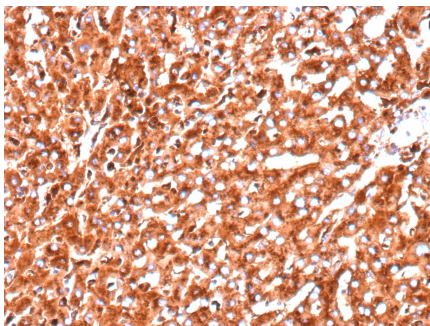
Product Images for Recombinant Cathepsin D (Tumor Marker) Antibody



SDS-PAGE Analysis of Purified Cathepsin D Recombinant Rabbit Monoclonal Antibody (CTSD/9613R). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of Brain, Heart, Skeletal muscle, Skin and Pancreas tissue lysates of Human using Cathepsin D Recombinant Rabbit Monoclonal Antibody (CTSD/9613R).



Formalin-fixed, paraffin-embedded human pancreas stained with Cathepsin D Recombinant Rabbit Monoclonal Antibody (CTSD/9613R). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Cathepsin D is a ubiquitously expressed lysosomal aspartyl protease involved in the normal degradation of proteins. It is synthesized as an inactive 52kDa preprocathepsin D that is cleaved and glycosylated to form a 48kDa procathepsin D and then further cleaved to produce 34kDa and 14kDa subunits (heavy and light chains, respectively). Cathepsin D exhibits pepsin-like activity and plays a role in protein turnover and in the proteolytic activation of hormones and growth factors. Mutations in this gene play a causal role in neuronal ceroid lipofuscinosis-10 and may be involved in the pathogenesis of several other diseases, including breast cancer and possibly Alzheimer's disease.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.