

Anti-Cathepsin D Antibody

Catalog # ABO10408

Product Information

Application	WB, IHC-P
Primary Accession	P24268
Host	Mouse
Isotype	Mouse IgG2a
Reactivity	Human
Clonality	Monoclonal
Format	Lyophilized
Description	Mouse IgG monoclonal antibody for Cathepsin D, cathepsin D (CTSD) detection. Tested with WB, IHC-P in Human. No cross reactivity with other proteins.
Reconstitution	Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Additional Information

Other Names	Cathepsin D, 3.4.23.5, Cathepsin D 12 kDa light chain, Cathepsin D 9 kDa light chain, Cathepsin D 34 kDa heavy chain, Cathepsin D 30 kDa heavy chain, Ctsd
Calculated MW	44681
Application Details	Immunohistochemistry(Paraffin-embedded Section), 1-2 μ g/ml, Human, By Heat Western blot, 0.5-1 μ g/ml, Human
Subcellular Localization	Lysosome. Melanosome . Secreted, extracellular space .
Tissue Specificity	CTSD: Expressed in the aorta extracellular space (atprotein level).
Source	Eukaryota
Protein Name	Cathepsin D
Contents	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Clone Names	CTD-19
Immunogen	Human liver cathepsin D.
Purification	Ascites
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the peptidase A1 family.

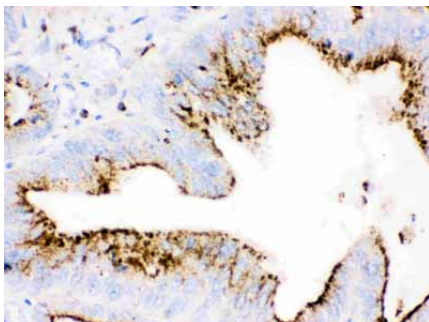
Protein Information

Name	Ctsd
Function	Acid protease active in intracellular protein breakdown. Plays a role in APP processing following cleavage and activation by ADAM30 which leads to APP degradation.
Cellular Location	Lysosome. Melanosome. Secreted, extracellular space

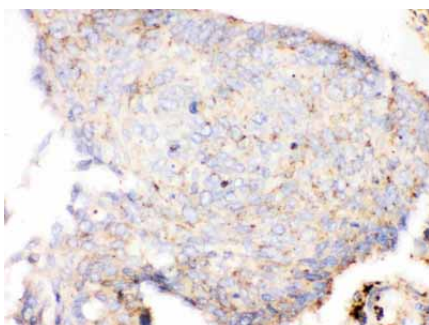
Background

Cathepsin D is one of the lysosomal proteinases. It is ubiquitously expressed and is involved in proteolytic degradation, cell invasion, and apoptosis. Cathepsin D is mapped to chromosome 11. The amino acid sequence predicted from the cDNA sequence shows that human cathepsin D consists of 412 amino acids with 20 and 44 amino acids in a pre- and a prosegment, respectively.

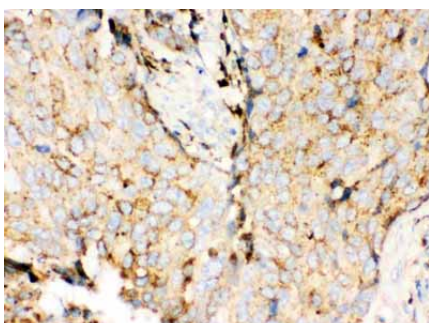
Images



Anti- Cathepsin D antibody, ABO10408, IHC(P)IHC(P):
Human Intestinal Cancer Tissue



Anti- Cathepsin D antibody, ABO10408, IHC(P)IHC(P):
Human Lung Cancer Tissue



Anti- Cathepsin D antibody, ABO10408, IHC(P)IHC(P):
Human Mammary Cancer Tissue

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