A19680

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Cathepsin D Rabbit mAb

Catalog No.: A19680 Recombinant 6 Publications

Basic Information

Observed MW
28kDa/44kDa

Calculated MW
45kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
WB,IHC-P,ELISA

Cross-Reactivity
Human,Mouse

CloneNo number
ARC0160

Background

This gene encodes a member of the A1 family of peptidases. The encoded preproprotein is proteolytically processed to generate multiple protein products. These products include the cathepsin D light and heavy chains, which heterodimerize to form the mature enzyme. This enzyme 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.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:500 - 1:1000

Immunogen Information

Gene ID
1509

Swiss Prot
P07339

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 313-412 of human Cathepsin D (P07339).

Synonyms
CPSD; CLN10; HEL-S-130P; Cathepsin D

Contact

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Product Information

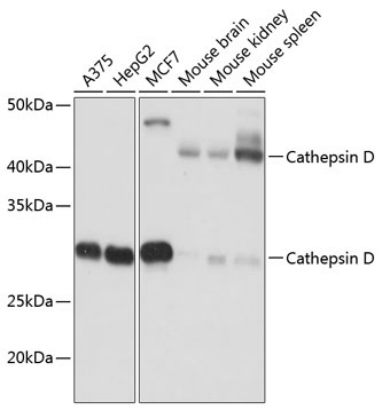
Source
Rabbit

Isotype
IgG

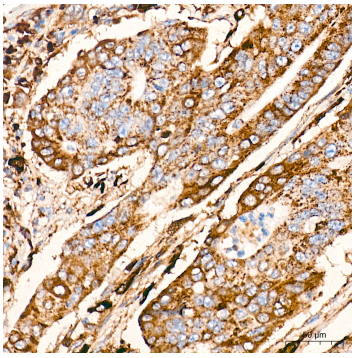
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

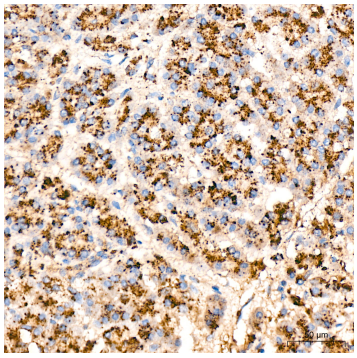
Validation Data



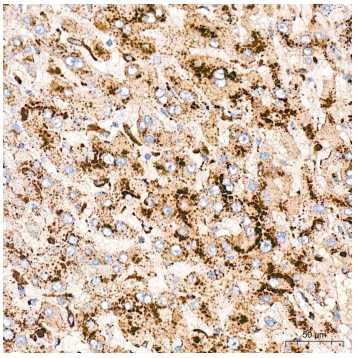
Western blot analysis of various lysates using Cathepsin D Rabbit mAb (A19680) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



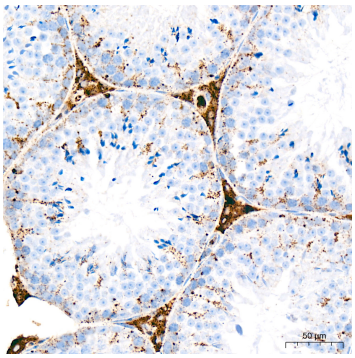
Immunohistochemistry analysis of Cathepsin D in paraffin-embedded human colon carcinoma tissue using Cathepsin D Rabbit mAb (A19680) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



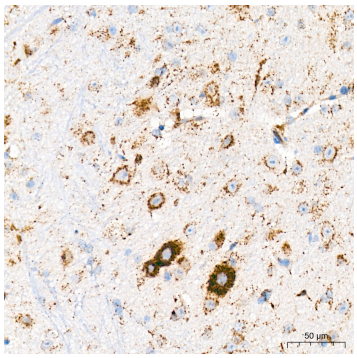
Immunohistochemistry analysis of Cathepsin D in paraffin-embedded human pancreas tissue using Cathepsin D Rabbit mAb (A19680) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



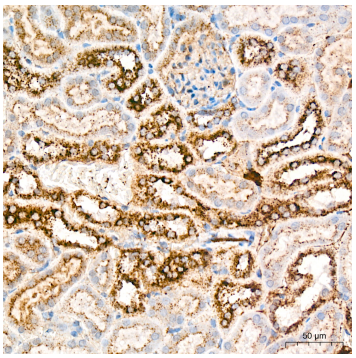
Immunohistochemistry analysis of Cathepsin D in paraffin-embedded human liver tissue using Cathepsin D Rabbit mAb (A19680) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Cathepsin D in paraffin-embedded mouse testis tissue using Cathepsin D Rabbit mAb (A19680) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Cathepsin D in paraffin-embedded mouse brain tissue using Cathepsin D Rabbit mAb (A19680) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of Cathepsin D in paraffin-embedded mouse kidney tissue using Cathepsin D Rabbit mAb (A19680) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.