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anti-Cathepsin D antibody (AA 1-100)





Overview

| Quantity: | 0.1 mg |
|----------------------|--|
| Target: | Cathepsin D (CTSD) |
| Binding Specificity: | AA 1-100 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This Cathepsin D antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS) |

Product Details

| Immunogen: | Purified recombinant fragment of human CTSD (AA: 1-100) expressed in E. coli. |
|---------------|---|
| Clone: | 2H4H5 |
| Isotype: | IgG1 |
| Purification: | purified |

Target Details

| Target: | Cathepsin D (CTSD) |
|-------------------|---|
| Alternative Name: | CTSD (CTSD Products) |
| Background: | Description: This gene encodes a lysosomal aspartyl protease composed of a dimer of |

disulfide-linked heavy and light chains, both produced from a single protein precursor. This proteinase, which is a member of the peptidase C1 family, has a specificity similar to but narrower than that of pepsin A. Transcription of this gene is initiated from several sites, including one which is a start site for an estrogen-regulated transcript. Mutations in this gene are involved in the pathogenesis of several diseases, including breast cancer and possibly Alzheimer disease.,

Aliases: CPSD, CLN10, HEL-S-130P

Molecular Weight: 44.6 kDa

Gene ID: 1509

HGNC: 1509

Pathways: Peptide Hormone Metabolism

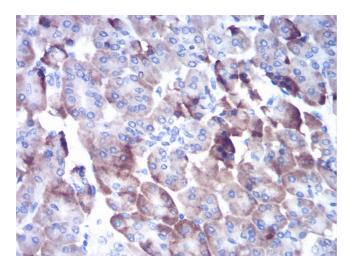
Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: , FCM:

Restrictions: For Research Use only

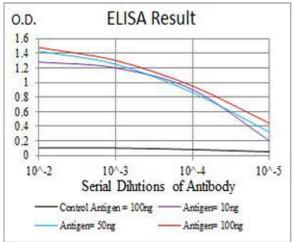
Handling

| Format: | Liquid |
|--------------------|--|
| Buffer: | Purified antibody in PBS with 0.05 % sodium azide |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | 4°C, -20°C for long term storage |



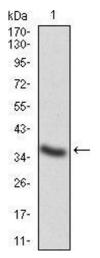
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffinembedded pancreas tissues using CTSD mouse mAb with DAB staining.



ELISA

Image 2. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

Image 3. Western blot analysis using CTSD mAb against human CTSD(AA: 1-100) recombinant protein. (Expected MW is 36.6 kDa)

Please check the product details page for more images. Overall 4 images are available for ABIN5542294.