

## CTSD

**Reactivity:**Human

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:50

**Calculated MW:**45kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human CTSD

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

CPSD; CLN10;

**Catalog #:**A0041

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1509

**Isotype:**IgG

**Swiss Prot:**P07339

**Purity:**Affinity purification

For research use only.

**Background:**

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.

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