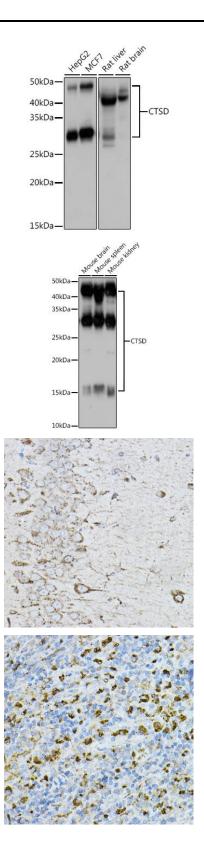
CTSD Rabbit Polyclonal Antibody

CAB13292



Product Information	Protein Background
Size:	This gene encodes a member of the A1 family of peptidases. The encoded preproprotein is
20uL, 50uL, 100uL, 200uL	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 neurona ceroid lipofuscinosis-10 and may be involved in the pathogenesis of several other diseases including breast cancer and possibly Alzheimer's disease.
Observed MW:	
15kDa/28kDa/43kDa/46kDa	
Calculated MW:	
44kDa	Immunogen information
Applications:	Gene ID:
WB IHC IF	1509
	Uniprot
Reactivity:	P07339
Human, Mouse, Rat	
	Synonyms: CLN10; CPSD; HEL-S-130P; Cathepsin D; CTSD
Antibody Information	
Recommended dilutions:	
WB 1:500 - 1:2000 IHC 1:50	Immunogen:
- 1:200 IF 1:50 - 1:200	Recombinant fusion protein containing a sequence corresponding
Source: Rabbit	to amino acids 65-412 of human CTSD (NP_001900.1).
	Storage:
lsotype:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02%
lgG	sodium azide, 50% glycerol, pH7.3.

Purification: Affinity purification



Western blot analysis of extracts of various cell lines, using CTSD antibody (CAB13292) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.

Western blot analysis of extracts of various cell lines, using CTSD antibody (CAB13292) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 3s.

Immunohistochemistry of paraffin-embedded rat brain using CTSD Rabbit pAb (CAB13292) at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded rat spleen using CTSD Rabbit pAb (CAB13292) at dilution of 1:100 (40x lens).