

## Cystatin B Rabbit pAb

db21856

Package : 20μL 50μL 100μL

**Product Name** : Cystatin B Rabbit pAb**Cat.No.:** db21856**Synonyms** : PME; ULD; CST6; EPM1; STFB; CPI-B; EPM1A**Application** : WB, IHC**Reactivity** : Human, Rat**Host species** : Rabbit**Background**

The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and kininogens. This gene encodes a stefin that functions as an intracellular thiol protease inhibitor. The protein is able to form a dimer stabilized by noncovalent forces, inhibiting papain and cathepsins I, h and b. The protein is thought to play a role in protecting against the proteases leaking from lysosomes. Evidence indicates that mutations in this gene are responsible for the primary defects in patients with progressive myoclonic epilepsy (EPM1). One type of mutation responsible for EPM1 is the expansion in the promoter region of this gene of a CCCC GCCCGCG repeat from 2-3 copies to 30-78 copies. [provided by RefSeq, Jul 2016]

**Immunogen**

A synthetic peptide of human Cystatin-B

**Gene ID**

1476

**Swiss Prot**

P04080

**Synonyms**

PME; ULD; CST6; EPM1; STFB; CPI-B; EPM1A

**Reactivity**

Human, Rat

**Application**

WB, IHC

**Recommended dilution**WB: 1:1000  
IHC: 1:50**Calculated MW**

11 kDa

**Observed MW**

11 kDa

**Host species**

Rabbit

**Clonality**

Polyclonal

<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.