



CSP Polyclonal Antibody

Catalog No	YP-Ab-12706
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	DNAJC5
Immunogen	The antiserum was produced against synthesized peptide derived from human DNAJC5. AA range:131-180
Specificity	CSP Polyclonal Antibody detects endogenous levels of CSP protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Ceroid-lipofuscinosis neuronal protein 4;CLN4;CSP;Cysteine string protein;DnaJ (Hsp40) Homolog;Subfamily C;Member 5;DNAJC5;DnaJ homolog subfamily C member 5
Observed Band	30kD
Calculated Molecular Weight	30kD
Cell Pathway	Cytoplasm, cytosol . Membrane ; Lipid-anchor . Cytoplasmic vesicle, secretory vesicle, chromaffin granule membrane . Melanosome . Cell membrane . The association with membranes is regulated by palmitoylation (By similarity). Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). .
Tissue Specificity	Expressed in pancreas, kidney, skeletal muscle, liver, lung, placenta, brain and heart.
Function	function:May have an important role in presynaptic function. May be involved in calcium-dependent neurotransmitter release at nerve endings.,PTM:Fatty acylated. Heavily palmitoylated in the cysteine string motif.,similarity:Contains 1 J domain.,subcellular location:Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,tissue specificity:Expressed in pancreas,



kidney, skeletal muscle, liver, lung, placenta, brain and heart.,

Background

This gene is a member of the J protein family. J proteins function in many cellular processes by regulating the ATPase activity of 70 kDa heat shock proteins. The encoded protein plays a role in membrane trafficking and protein folding, and has been shown to have anti-neurodegenerative properties. The encoded protein is known to play a role in cystic fibrosis and Huntington's disease. A pseudogene of this gene is located on the short arm of chromosome 8. [provided by RefSeq, Nov 2010],

matters needing attention

Avoid repeated freezing and thawing!

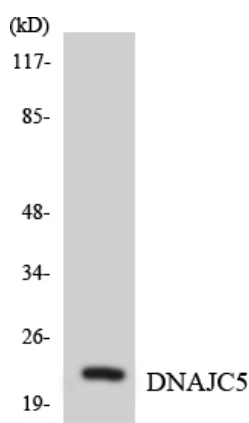
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CSP Polyclonal Antibody diluted at 1:2000



Western blot analysis of the lysates from HeLa cells using DNAJC5 antibody.