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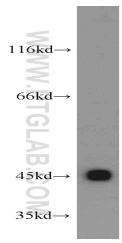
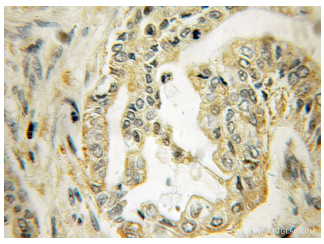
CTNS Polyclonal Antibody

Catalog number: 13085-1-AP
Size: 26 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
CTNS; CTNS-LSB; PQLC4



HEK-293 cells were subjected to SDS PAGE followed by western blot with 13085-1-AP(CTNS Antibody) at dilution of 1:800



Immunohistochemistry of paraffin-embedded human pancreas cancer using 13085-1-AP(CTNS Antibody) at Dilution 1:100 (under 10x lens)

Background

The CTNS or cystinosin is a lysosomal membrane protein which comprises with seven transmembrane domains, a 128 amino acid N-terminal region bearing seven N-glycosylation sites and a cytosolic C-terminal GYDQL sorting motif. It functions as a H+-driven cystine transporter responsible for cystine export from lysosomes. The mutation of CTNS gene cause an inherited disorder, cystinosis, characterized by defective lysosomal efflux of cystine. This antibody was raised against the N-terminal region of human cystinosin. Two isoforms of CTNS exist due to alternative splicing events and both of them can be detected through this antibody.

Applications

Tested applications:	**ELISA, WB, IHC**
Species specificity:	**Human, mouse, rat; other species not tested.**
Positive WB detected in:	**HEK-293 cells, HeLa cells, HepG2 cells**
Caculated CTNS MW:	**400aa,45kd;367aa,42kd**
Observed CTNS MW:	**45kd**
Positive IHC detected in:	**Human pancreas cancer**
Recommended dilution:	**WB: 1:200-1:2000**
	IHC: 1:50-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation, FC = Flow cytometry

Immunogen information

Immunogen:	**Ag3904**
GenBank accession number:	**BC032850**
Gene ID (NCBI):	**1497**
Full name:	**Cystinosis, nephropathic**

Product information

Purification method:	**Antigen affinity purification**
Storage:	**PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.**