

Product datasheet for **AP06076PU-S**

Cellular Apoptosis Susceptibility (CSE1L) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, IP, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on Paraffin sections: 1/50-1/200. Immunoprecipitation: 1/50-1/200. Immunofluorescence: 1/50-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of XPO2 / Exportin-2 protein (region surrounding Glu2).
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography using epitope-specific immunogen (> 95% pure by SDS-PAGE).
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~110 kDa
Gene Name:	chromosome segregation 1 like
Database Link:	Entrez Gene 1434 Human P55060



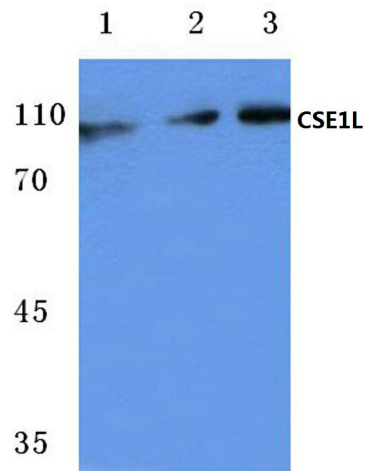
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Background:

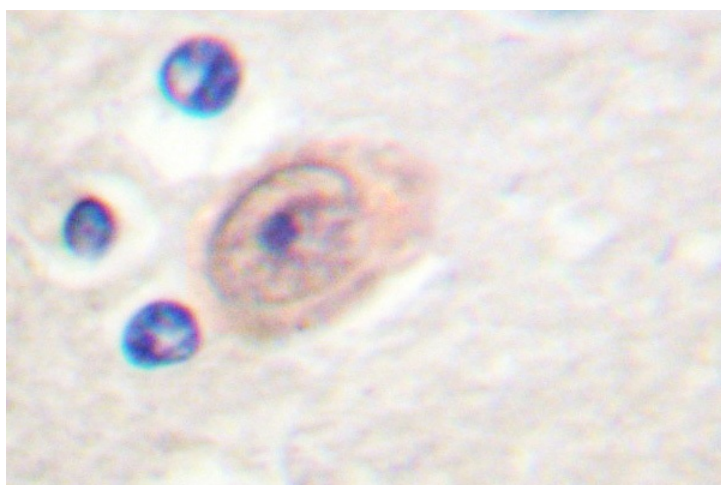
Normal tissues are characterized by a balance between cellular stasis, cell proliferation, cell differentiation and cell death. Aberrant regulation of any of these cell processes can result in cancer. Cell death during embryogenesis, tissue atrophy and normal tissue turnover is called apoptosis. This is characterized by cytoplasmic and nuclear condensation, nuclear disorganization and fragmentation of genomic DNA into 180-200 base pair oligomers. Several human cDNA fragments have been shown to render MCF-7 cells resistant to cell death induced by Pseudomonas exotoxin, Pseudomonas exotoxin-derived immunotoxins, diphtheria toxin and tumor necrosis factor (TNF). One such fragment has proven to be the human homolog to the yeast chromosome segregation homolog, CSE1. Cloning of the full-length human cDNA has revealed a putative protein designated CAS, for cellular apoptosis susceptibility, that is 971 amino acids in length with 59% overall sequence homology as compared to yeast CSE1. CAS is highly expressed in testis and fetal liver. CAS expression in human fibroblasts increases as cells are induced to proliferate and decreases in growth arrested cells.

Synonyms:

Exp2, CSE1L, CAS

Product images:

Western blot (WB) analysis of CSE1L antibody (Cat.-No.: [AP06076PU-N]) at 1/500 dilution Lane 1: HeLa cell lysate Lane 2: sp2/0 cell lysate Lane 3: PC12 cell lysate treated with UV



Immunohistochemical analysis in paraffin-embedded human brain tissue using XPO2 / Exportin-2 antibody (Cat.-No. [AP06076PU-N]).