Human/Mouse/Rat CSE1L/CAS Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF5288

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse, and rat CSE1L in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human CSE1L Ala739-His933 Accession # P55060
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

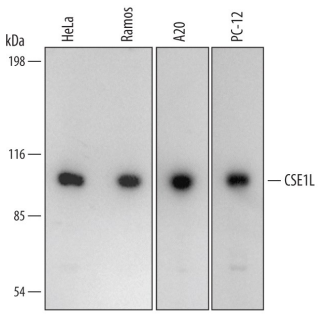
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA

Western Blot



Detection of Human/Mouse/Rat CSE1L/CAS by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, Ramos human Burkitt's lymphoma cell line, A20 mouse B cell lymphoma cell line, and PC-12 rat adrenal pheochromocytoma cell line. PVDF membrane was probed with 1 µg/mL of Human/Mouse/Rat CSE1L/CAS Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5288) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for CSE1L/CAS at approximately 110 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CSE1L (Chromosome segregation 1-like protein; also known as Exportin-2 (XPO2) and Cellular Apoptosis Susceptibility (CAS)) is a 110 kDa member of the XPO2/CSE1 family of proteins. It is expressed in divergent proliferating cell types such as colon and mammary epithelium, fibroblasts, hepatocytes, and spermatogonia. It participates in the export of importin-α from the nucleus, and regulates p53-sensitive gene transcription. Human CSE1L is 971 amino acids (aa) in length and contains an N-terminal importin domain (aa 29-102) and a DNA-association region (aa 372-385). There are multiple splice variants. There is a six aa substitution for aa 190-971, separate deletions of aa 133-341 and 257-312, an alternate start site at Met235 with a deletion of aa 350-517, and an alternate start site at Met100 with a 25 aa substitution for aa 674 - 971. Over aa 739-933, human CSE1L shows 100% aa identity to mouse CSE1L.

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