

Human/Mouse RASSF2 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF5639

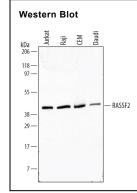
DESCRIPTION			
Species Reactivity	Human/Mouse		
Specificity	Detects endogenous human and mouse RASSF2 in Western blots.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-derived recombinant human RASSF2 Lys100-Gly230 Accession # P50749		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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



Detection of Human RASSF2 by Western Blot. Western blot shows lysates of Jurkat human acute T cell leukemia cell line, Raji human Burkitt's lymphoma cell line, CEM human T-lymphoblastoid cell line, and Daudi human Burkitt's lymphoma cell line . PVDF membrane was probed with 1 µg/mL of Human/Mouse RASSF2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5639) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for RASSF2 at approximately 40 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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

RASSF2 (Ras association domain-containing protein 2; also RASSF2A) is a 34-36 kDa member of the RASSF family of proteins. It is widely expressed, and serves as a tumor suppressor by interacting with K-Ras in a GTP-dependent manner, and activating caspase-3 and inducing apoptosis. Human RASSF2 is 326 amino acids (aa) in length. It contains a bipartite NLS (aa 151-167), a Ras-association domain (aa 176-264) and a SARAH domain (aa 272-319) that mediates homo- and heterotypic interactions. Multiple isoforms exist. One shows an insertion of 13 aa after Lys213, a second shows a three aa substitution for aa 305-326, and a third shows a 20 aa substitution for aa 1-96, accompanied by a three aa substitution for aa 231-326. RASSF2 is often found down regulated in lung-derived tumor cell lines.



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