

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ASC in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human ASC Leu112-Ser195 Accession # Q9ULZ3
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
Simple Western	10 µg/mL	See Below

DATA

Western Blot

Detection of Human ASC by Western Blot. Western blot shows lysates of MCF-7 human breast cancer cell line and U937 human histiocytic lymphoma cell line. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human ASC Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3805) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for ASC at approximately 24 kDa (as indicated). This experiment was conducted using Immunoblot Buffer Group 1.

Simple Western

Detection of Human ASC by Simple Western™. Simple Western lane view shows lysates of MCF-7 human breast cancer cell line and U937 human histiocytic lymphoma cell line, loaded at 0.2 mg/mL. A specific band was detected for ASC at approximately 28 kDa (as indicated) using 10 µg/mL of Goat Anti-Human ASC Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3805) followed by 1:50 dilution of HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.

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. <ul style="list-style-type: none"> ● 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

Apoptosis-associated speck-like protein containing a CARD (ASC) is also known as Target of Methylation-mediated Silencing (TMS-1) and PYD and CARD-domain containing protein (PYCARD). ASC is a p53 target protein that serves as an adaptor to the pro-apoptotic Bax molecule. The interaction of ASC with Bax promotes apoptosis in response to many apoptotic stimuli.