

DESCRIPTION

Species Reactivity	Human/Rat
Specificity	Detects human Annexin V in direct ELISAs and Western blots. Detects rat Annexin V in Simple Westerns™.
Source	Monoclonal Mouse IgG ₁ Clone # 39103
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Annexin V Met1-Asp320 Accession # P08758
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.

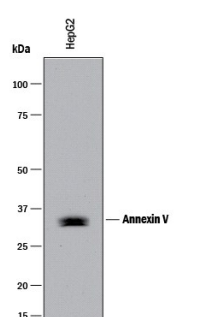
APPLICATIONS

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	0.25 µg/mL	See Below
Simple Western	2.5 µg/mL	See Below

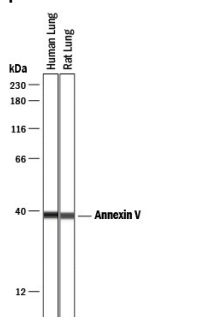
DATA

Western Blot




Detection of Human Annexin V by Western Blot. Western blot shows lysates of HepG2 human hepatocellular carcinoma cell line. PVDF membrane was probed with 0.25 µg/mL of Mouse Anti-Human Annexin V Monoclonal Antibody (Catalog # MAB399) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for Annexin V at approximately 32 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Simple Western



Detection of Human Annexin V by Simple Western™. Simple Western lane view shows lysates of human lung tissue and rat lung tissue, loaded at 0.2 mg/mL. A specific band was detected for Annexin V at approximately 39 kDa (as indicated) using 2.5 µg/mL of Mouse Anti-Human/Rat Annexin V Monoclonal Antibody (Catalog # MAB399). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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

Annexin V is a member of a calcium and phospholipid binding family of proteins with vascular anticoagulant activity. It is also known as PP4, PAP I, CPB-I, CaBP33, VACa, anchorin CII, lipocortin-V, endonexin II, and thromboplastin inhibitor.