

DESCRIPTION

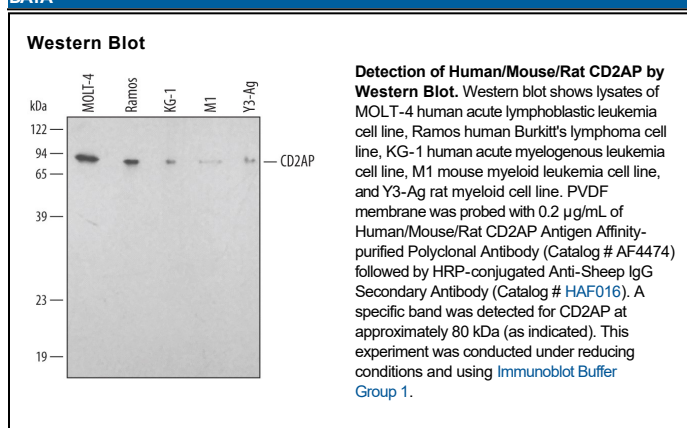
Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse, and rat CD2AP in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human CD2AP Ile423-Lys580 Accession # Q9Y5K6
Formulation	Lyophilized from a 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	0.2 µg/mL	See Below

DATA



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

CD2AP (CD2-associated protein; also known as CMS) is an 80 kDa member of the CIN85/CD2AP family of adaptor proteins. Although CD2AP is ubiquitously expressed, it is often associated with glomerular podocytes. CD2AP serves as a scaffold between membrane proteins and the cytoskeleton. Through a Pro-rich region and SH3 domains, it is known to bind to such proteins as CD2, c-CBL, and p130^{Cas}. Human CD2AP is 639 amino acids (aa) in length. It contains three SH3 homology domains (aa 4-324), one Pro-rich region (aa 336-422) and a C-terminal coiled-coil region that mediates homodimerization. Over aa 423-580, human CD2AP shares 96% and 79% aa identity with dog and mouse CD2AP, respectively.