

**DESCRIPTION**

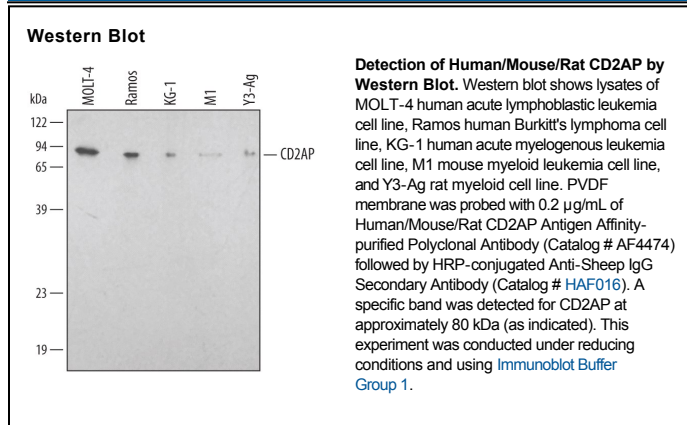
<b>Species Reactivity</b>	Human/Mouse/Rat
<b>Specificity</b>	Detects endogenous human, mouse, and rat CD2AP in Western blots.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human CD2AP Ile423-Lys580 Accession # Q9Y5K6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

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	0.2 µg/mL	See Below

**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	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
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**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<sup>Cas</sup>. 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.