

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
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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