

#### DESCRIPTION

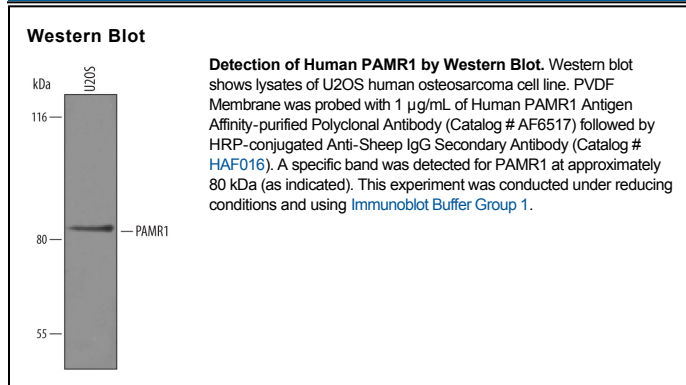
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human PAMR1 in direct ELISAs and Western blots.
<b>Source</b>	Polyclonal Sheep IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human PAMR1 Leu22-Lys737 Accession # NP_056245
<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>	1 µg/mL	See Below

#### DATA



#### PREPARATION AND STORAGE

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.2 mg/mL.
<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

PAMR1 (Peptidase domain associated with muscle regeneration 1; also RAMP/ regeneration-associated muscle protease homolog) is a secreted, 80 kDa (predicted) member of the peptidase S1 family of enzymes. It is expressed by skeletal muscle, and appears to mediate skeletal muscle regeneration. Due to the lack of a catalytic serine at amino acid (aa) 672, PAMR1 demonstrates no enzyme activity. Mature PAMR1 is 716 aa in length (aa 22-737). It contains a Cys-rich segment (aa 42-94), one CUB domain (aa 128-234), an EGF-like region (aa 235-272), two SUSHI domains (aa 278-444) and a nonfunctional peptidase S1 domain (aa 445-737). There is one 17 aa deletion after Glu276. Over aa 21-737, human PAMR1 shares 88% aa identity with mouse PAMR1.