

DESCRIPTION

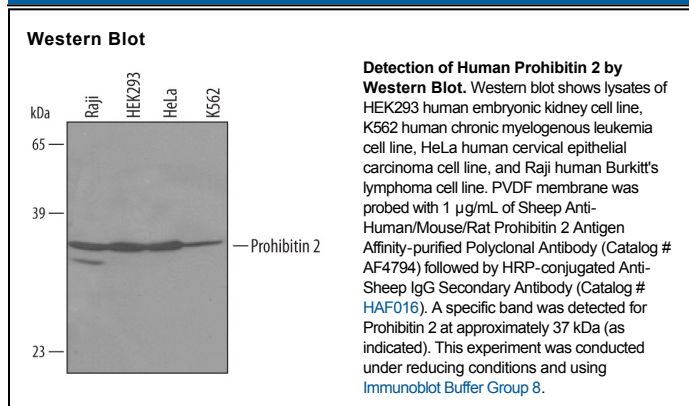
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse and rat Prohibitin 2 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human Prohibitin is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Prohibitin 2 Lys89-Lys299 Accession # Q99623
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	1 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

Prohibitin 2 (PHB2; also B-cell receptor-associated protein BAP37 and REA) is a 37 kDa, ubiquitous member of the prohibitin family of molecules. PHB2 is found in multiple intracellular compartments. It is suggested to be a component of an inner mitochondrial membrane complex and a nuclear repressor of the estrogen receptor (ER). Human PHB2 is 299 amino acids (aa) in length. It contains a mitochondrial localization signal (aa 1-50), two ER repressor domains (aa 19-49 and aa 150-174), and a central coiled-coil domain (aa 190-238). There may be one splice variant that shows a premature truncation after aa 289. Over aa 89-299, mouse and rat PHB2 are 100% identical to human PHB2.