

DESCRIPTION

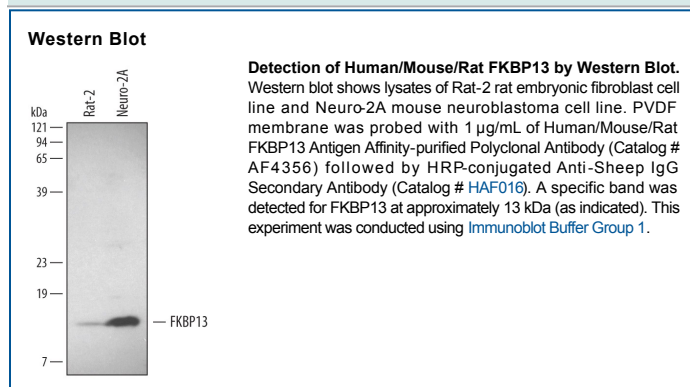
Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse, and rat FKBP13 in Western blots. In Western blots, this antibody does not cross-react with recombinant human FKBP12, FKBP25, FKBP38, FKBP51 or FKBP52.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human FKBP13 Ala22-Leu142 Accession # P26885
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

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.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month from date of receipt, 2 to 8 °C, reconstituted. ● 6 months from date of receipt, -20 to -70 °C, reconstituted.

BACKGROUND

FK506 binding protein, 13 kilodalton molecular weight (FKBP13), also called FKBP2, is a peptidyl-prolyl isomerase that catalyzes the transition between *cis*- and *trans*-proline residues critical for proper folding of proteins. The immunosuppressants FK506 and rapamycin are potent inhibitors of FKBP13. This isomerase is localized in the endoplasmic reticulum and is also associated with cytoskeletal elements such as erythrocyte band 4.1. FKBP13 levels are increased by treatments that affect golgi protein processing such as tunicamycin and heat shock, suggesting that FKBP13 is important in the unfolded protein response observed with endoplasmic reticulum stress.