

DESCRIPTION

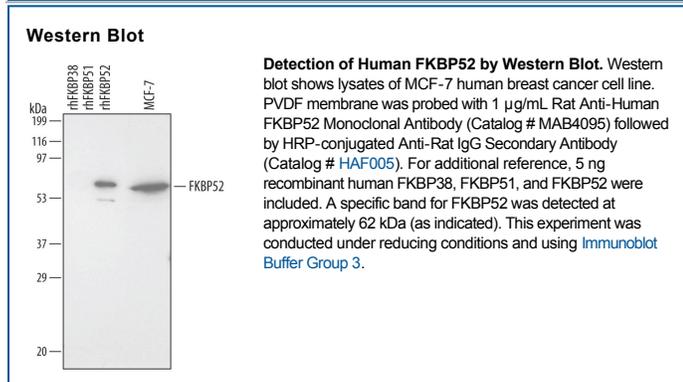
Species Reactivity	Human
Specificity	Detects human FKBP52 in Western blots. In Western blots, no cross-reactivity with other FKBP family members is observed.
Source	Monoclonal Rat IgG ₁ Clone # 425123
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human FKBP52 Met1-Ala459 Accession # Q02790
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
Immunohistochemistry	8-25 µg/mL	Immersion fixed paraffin-embedded sections of human skin cancer tissue

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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

FK506 binding protein, also called FKBP52 and FKBP4, is a peptidyl-prolyl isomerase that catalyzes the transition between cis- and trans- proline residues critical for proper folding of proteins. It associates with HSP90 complexes that are critical for the proper folding of steroid receptors. FKBP52 knockout mice have abnormal reproductive organ development due to disruption of androgen receptor folding; and phosphorylation of FKBP52 at Thr143 seems important for steroid receptor activity.