

DESCRIPTION

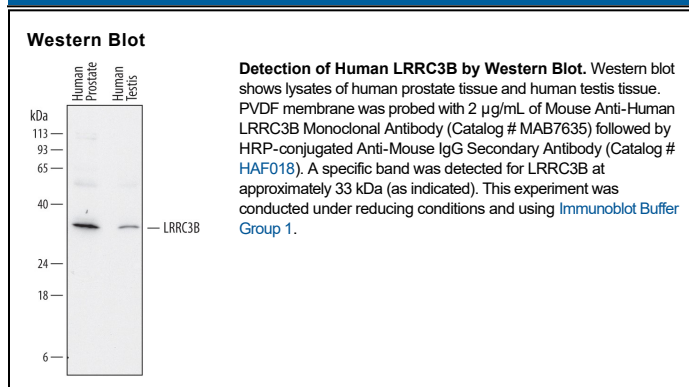
Species Reactivity	Human
Specificity	Detects human LRRC3B in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 758315
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human LRRC3B Phe28-Ala205 Accession # Q96PB8
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 either lyophilized or 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	2 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
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

LRRC3B, also known as LRP15, is a transmembrane leucine-rich protein that is downregulated by promoter methylation in gastric and colorectal cancers. It confers resistance to ultraviolet light-induced DNA damage and functions as a tumor suppressor. Mature human LRRC3B contains an LRR N-terminal domain (aa 34-64), 3 LRR repeats (aa 65-135), an LRR C-terminal domain (aa 145-197), a transmembrane segment (aa 205-225), and a C-terminal region (aa 226-259). Within aa 28-205, human LRRC3B shares 100% aa sequence identity with mouse and rat LRRC3B.