

Human LRRC3B Antibody

Monoclonal Mouse IgG₁ Clone # 758315 Catalog Number: MAB7635

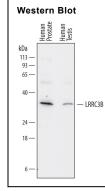
| DESCRIPTION | | |
|--------------------|--|--|
| Species Reactivity | Human | |
| Specificity | Detects human LRRC3B in direct ELISAs and Western blots. | |
| Source | Monoclonal Mouse IgG ₁ Clone # 758315 | |
| Purification | Protein A or G purified from hybridoma culture supernatant | |
| Immunogen | 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



Detection of Human LRRC3B by Western Blot. Western blot shows lysates of human prostate tissue and human testis tissue. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Human LRRC3B Monoclonal Antibody (Catalog # MAB7635) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for LRRC3B at approximately 33 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

| 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. 12 months from date of receipt, -20 to -70 °C as supplied. 1 months 2 to 8 °C under storille conditions after reconstitution. | |

- 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.

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