Human FHL2 Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF4758

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FHL2 in direct ELISAs and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant human FHL1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human FHL2 Lys167-Ile279 Accession # Q14192
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.

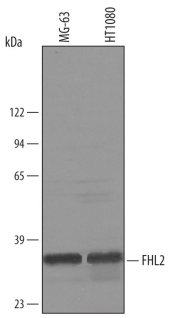
APPLICATIONS

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

Western Blot



Detection of Human FHL2 by Western Blot. Western blot shows lysates of HT1080 human fibrosarcoma cell line and MG-63 human osteosarcoma cell line. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human FHL2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4758) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for FHL2 at approximately 32 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

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.** ● 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

FHL2 (Four-and-a-half LIM domains protein 2; also SLIM3 and DRAL) is a 30-32 kDa member of the four-and-a half class of the LIM domain-only protein family. It shows a tissue-specific expression pattern (myocardium; skeletal muscle; prostatic epithelium), and is noted for its strong transactivation of the androgen receptor (AR). Human FHL2 is 279 amino acids (aa) in length. It contains four distinct LIM domains (aa 40-92; 101-153; 162-212; 221-275) that all bind to the AR. There are two potential alternate start sites (Met115 and Met110) and one splice variant that shows a 99 aa substitution for aa 53-279. Over aa 167-279, human FHL2 is 95% and 96% aa identical to canine and mouse FHL2, respectively.

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