

Human DRAK1 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF4985

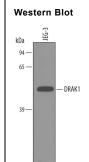
DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human DRAK1 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human DRAK2 is observed.	
Source	Polyclonal Goat IgG	
Purification	Antigen Affinity-purified	
Immunogen	E. coli-derived recombinant human DRAK1 Ala115-Glu313 Accession # Q9UEE5	
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	1 μg/mL	See Below

DATA



Detection of Human DRAK1 by Western Blot. Western blot shows lysates of JEG-3 human epithelial choriocarcinoma cell line. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human DRAK1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4985) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for DRAK1 at approximately 55 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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

DRAK1 (DAP kinase-related apoptosis-inducing protein kinase 1; also STK17A) is a 55 kDa member of the DAP kinase subfamily, CAMK Ser/Thr protein kinase family of enzymes. It is expressed in osteoclasts, resides in the nucleus and initiates apoptosis. Human DRAK1 is 414 amino acids (aa) in length. It contains an N-terminal polyPro segment (aa 33-37) followed by a Ser/Thr kinase domain (aa 64-321) with a catalytic loop (aa 184-193). Apoptosis apparently requires an intact kinase domain. No rodent DRAK1 has been reported. Over aa 115-313, human DRAK1 is 95% aa identical to canine DRAK1, and 65% aa identical to human DRAK2.

Rev. 2/6/2018 Page 1 of 1

