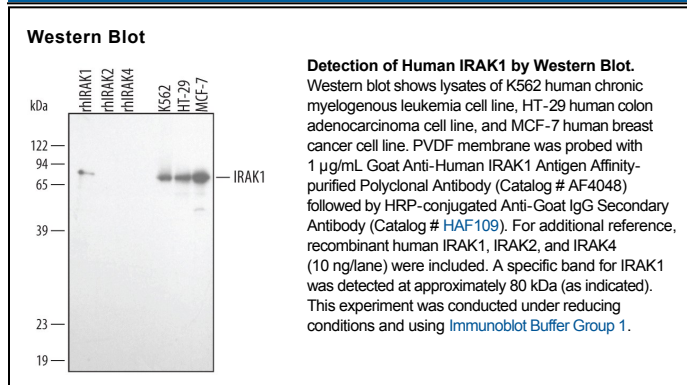


DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human IRAK1 in Western blots. In Western blots, less than 1% cross-reactivity with recombinant human (rh) IRAK2 and rhIRAK4 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human IRAK1 Met1-Ser693 Accession # AAH54000
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



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. <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

IL-1 receptor-associated kinases (IRAKs) are serine/threonine kinases that regulate signaling from Toll-like receptor (TLR) and IL-1 receptor family members. Four human IRAKs have been identified: IRAK1, IRAK2, IRAK-M, and IRAK4. All IRAKs are multidomain proteins, containing a conserved N-terminal death domain as well as a central kinase domain that is only active in IRAK1 and IRAK4.