

Anti-VRK1 antibody (257-396) (STJ110056)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

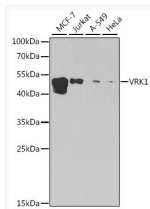
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 45kDa Observed Mw: 45kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

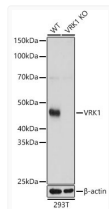
Gene ID	7443
Gene Symbol	VRK1
UniProt ID	VRK1_HUMAN
Immunogen Region	257-396
Immunogen Sequence	GHLPWEDNLKDPKYVRDSKI RYRENIASLMDKCFPEKNKP GEIAKYMETVKLLDYTEKPL YENLRDILLQGLKAIGSKDD GKLDLSVVENGGLKAKTITK KRKKEIEESKEPGVEDTEWS NTQTEEAIQTRSRTRKRKRVQK
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 257-396 of human VRK1 (NP_003375.1).

ADDITIONAL INFORMATION

Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



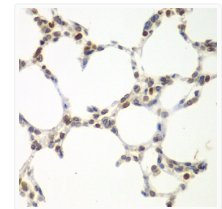
Western blot analysis of extracts of various cell lines, using VRK1 antibody (STJ110056) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 90s.



Western blot analysis of extracts from wild type (WT) and VRK1 knockout (KO) 293T cells, using VRK1 antibody (STJ110056) at 1:500 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



Immunohistochemistry analysis of paraffin-embedded rat lung using VRK1 antibody (STJ110056) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse lung using VRK1 antibody (STJ110056) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.