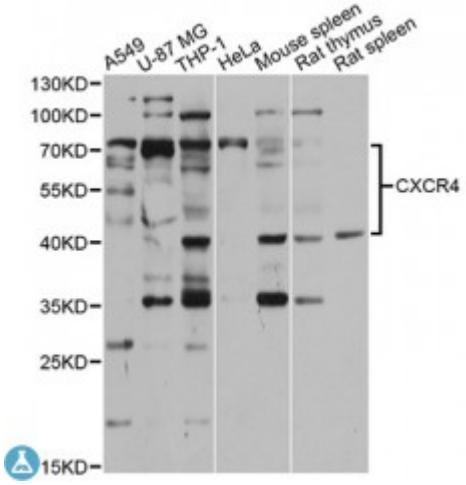
Anti-CXCR4 Antibody



Description	This gene encodes a CXC chemokine receptor specific for stromal cell-derived factor-1. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed in breast cancer cells. Mutations in this gene have been associated with WHIM (warts, hypogammaglobulinemia, infections, and myelokathexis) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Model	STJ115628
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	IF, WB
Immunogen	Recombinant protein of human CXCR4
Gene ID	7852
Gene Symbol	CXCR4
Dilution range	WB 1:500 - 1:1000 IF 1:50 - 1:100
Tissue Specificity	Expressed in numerous tissues, such as peripheral blood leukocytes, spleen, thymus, spinal cord, heart, placenta, lung, liver, skeletal muscle, kidney, pancreas, cerebellum, cerebral cortex and medulla (in microglia as well as in astrocytes), brain microvascular, coronary artery and umbilical cord endothelial cells, Isoform 1 is predominant in all tissues tested
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	C-X-C chemokine receptor type 4 CXC-R4 CXCR-4 FB22 Fusin HM89 LCR1 Leukocyte-derived seven transmembrane domain receptor LESTR Lipopolysaccharide-associated protein 3 LAP-3 LPS-associated p
Molecular Weight	39.746 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:2561OMIM:162643Reactome:R-HSA-173107
Alternative Names	C-X-C chemokine receptor type 4 CXC-R4 CXCR-4 FB22 Fusin HM89 LCR1 Leukocyte-derived seven transmembrane domain receptor LESTR Lipopolysaccharide-associated protein 3 LAP-3 LPS-associated p
Function	Receptor for the C-X-C chemokine CXCL12/SDF-1 that transduces a signal by increasing intracellular calcium ion levels and enhancing MAPK1/MAPK3 activation, Acts as a receptor for extracellular ubiquitin
Cellular Localization	Cell membrane
Post-translational Modifications	Phosphorylated on agonist stimulation, Rapidly phosphorylated on serine and threonine residues in the C-terminal, Phosphorylation at Ser-324 and Ser-325 leads to recruitment of ITCH, ubiquitination and protein degradation,