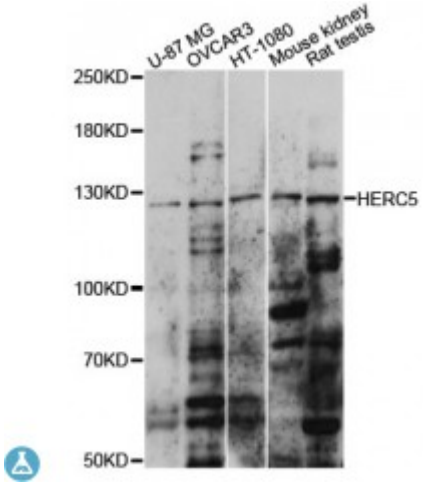
Anti-HERC5 Antibody



Description	This gene is a member of the HERC family of ubiquitin ligases and encodes a protein with a HECT domain and five RCC1 repeats. Pro-inflammatory cytokines upregulate expression of this gene in endothelial cells. The protein localizes to the cytoplasm and perinuclear region and functions as an interferon-induced E3 protein ligase that mediates ISGylation of protein targets. The gene lies in a cluster of HERC family genes on chromosome 4.

Model	STJ117089
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 360-700 of human HERC5 (NP_057407.2).
Gene ID	51191
Gene Symbol	HERC5
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed in testis and to a lesser degree in brain, ovary and placenta, Found in most tissues at low levels
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	E3 ISG15--protein ligase HERC5

Molecular Weight	116.852 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:24368OMIM:608242Reactome:R-HSA-1169408
Alternative Names	E3 ISG15--protein ligase HERC5
Function	Major E3 ligase for ISG15 conjugation, Acts as a positive regulator of innate antiviral response in cells induced by interferon, Functions as part of the ISGylation machinery that recognizes target proteins in a broad and relatively non-specific manner, Catalyzes ISGylation of IRF3 which results in sustained activation, it attenuates IRF3-PIN1 interaction, which antagonizes IRF3 ubiquitination and degradation, and boosts the antiviral response, Catalyzes ISGylation of influenza A viral NS1 which attenuates virulence
Cellular Localization	Cytoplasm, perinuclear region,
Post-translational Modifications	ISGylated,