

Product datasheet for **TA321581**

Cullin 5 (CUL5) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 10-50 Positive control: Human tonsil Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 300 amino acids of human cullin 5
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	cullin 5
Database Link:	NP_003469 Entrez Gene 64624 Rat Entrez Gene 75717 Mouse Entrez Gene 8065 Human Q93034
Background:	Core component of multiple SCF-like ECS (Elongin-Cullin 2/5-SOCS-box protein) E3 ubiquitin-protein ligase complexes; which mediate the ubiquitination and subsequent proteasomal degradation of target proteins. As a scaffold protein may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. The functional specificity of the E3 ubiquitin-protein ligase complex depends on the variable substrate recognition component. ECS(SOCS1) seems to direct ubiquitination of JAK2. Seems to be involved poteosomal degradation of p53/TP53 stimulated by adenovirus E1B-55 kDa protein. May form a cell surface vasopressin receptor.



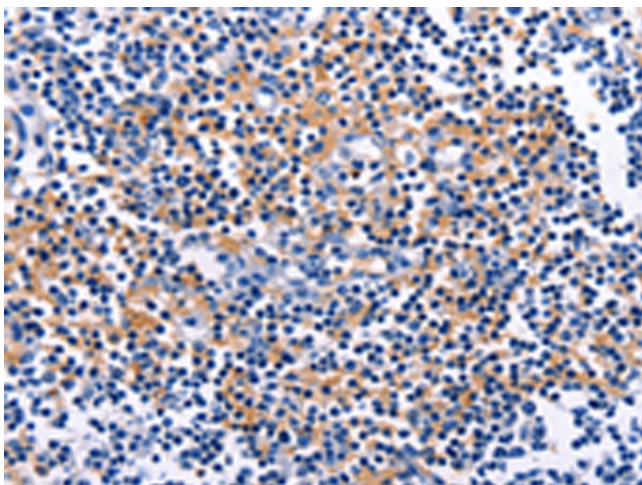
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Synonyms: VACM-1; VACM1

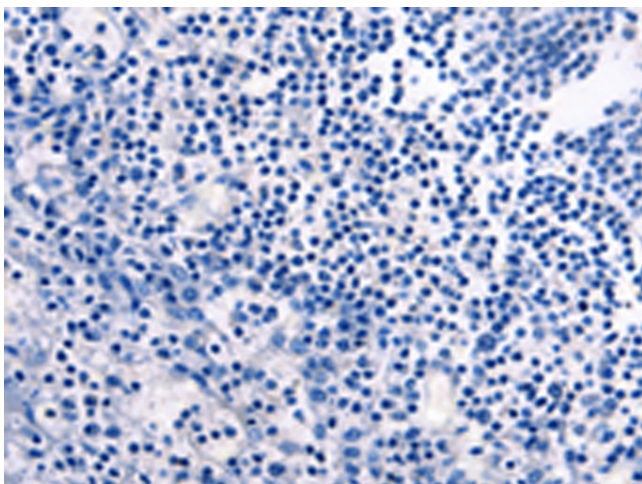
Protein Families: Druggable Genome

Protein Pathways: Ubiquitin mediated proteolysis

Product images:



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA321581 (CUL5 Antibody) at dilution 1/10 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA321581 (CUL5 Antibody) at dilution 1/10, treated with fusion protein. (Original magnification: ×200)