

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# Product datasheet for TA360134

## **KIR2DS4 Rabbit Polyclonal Antibody**

## **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-KIR2DS4 antibody is: synthetic peptide directed towards the C- terminal region of Human KI2S4
Specificity:	Expected reactivity: Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. Note that this product is shipped as lyophilized powder to China customers.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	33 kDa
Gene Name:	killer cell immunoglobulin like receptor, two lg domains and short cytoplasmic tail 4
Database Link:	<u>NP_036446.3</u> <u>Entrez Gene 3809 Human</u> <u>P43632</u>



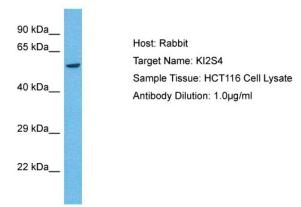
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#### **GRIGENE** KIR2DS4 Rabbit Polyclonal Antibody – TA360134

Background:Killer cell immunoglobulin-like receptors (KIRs) are transmembrane glycoproteins expressed<br/>by natural killer cells and subsets of T cells. The KIR genes are polymorphic and highly<br/>homologous and they are found in a cluster on chromosome 19q13.4 within the 1 Mb<br/>leukocyte receptor complex (LRC). The gene content of the KIR gene cluster varies among<br/>haplotypes, although several "framework" genes are found in all haplotypes (KIR3DL3,<br/>KIR3DP1, KIR3DL4, KIR3DL2). The KIR proteins are classified by the number of extracellular<br/>immunoglobulin domains (2D or 3D) and by whether they have a long (L) or short (S)<br/>cytoplasmic domain. KIR proteins with the long cytoplasmic domain transduce inhibitory<br/>signals upon ligand binding via an immune tyrosine-based inhibitory motif (ITIM), while KIR<br/>proteins with the short cytoplasmic domain lack the ITIM motif and instead associate with the<br/>TYRO protein tyrosine kinase binding protein to transduce activating signals. The ligands for<br/>several KIR proteins are subsets of HLA class I molecules; thus, KIR proteins are thought to<br/>play an important role in regulation of the immune response.

Synonyms: CD158I; CL-17; cl-39; KIR1D; KIR412; KKA3; MGC120019; MGC125315; MGC125317; NKAT-8; NKAT8

### **Product images:**



WB Suggested Anti-KI2S4 antibody Titration: 1 ug/mL Sample Type: Human HCT116 Whole Cell

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