

Product datasheet for **TA349251S**

KIR2DL3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Human lymphoma tissue IHC: 50-200 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human ARC
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	45 kDa
Gene Name:	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 3
Database Link:	NP_056952 Entrez Gene 3804 Human P43628



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Background:

Arc (for activity-regulated cytoskeleton-associated protein) is a growth factor and immediate early gene that is enriched in brain. Arc mRNA and protein levels are induced by neuronal activity, which is necessary to stimulate neuroplasticity, indicating a potential role for Arc in activity-dependent changes in dendrite function. Arc expression has been detected in neuronal cell bodies and dendrites in the hippocampus, amygdala, hypothalamus, striatum and cortex. Arc has been shown to localize to the cytoskeleton of neuronal cells and appears to colocalize with F-Actin, although it may associate with an Actin-associated protein rather than directly with F-Actin. It has been shown that cocaine-stimulated neuronal activity results in increased Arc mRNA levels in striatum.

Synonyms:

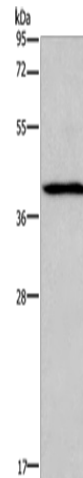
CD158b; CD158B2; GL183; KIR-023GB; KIR-K7b; KIR-K7c; KIR2DS5; KIRCL23; NKAT; NKAT2; NKAT2A; NKAT2B

Protein Families:

Transmembrane

Protein Pathways:

Antigen processing and presentation, Graft-versus-host disease, Natural killer cell mediated cytotoxicity

Product images:

Gel: 8%SDS-PAGE

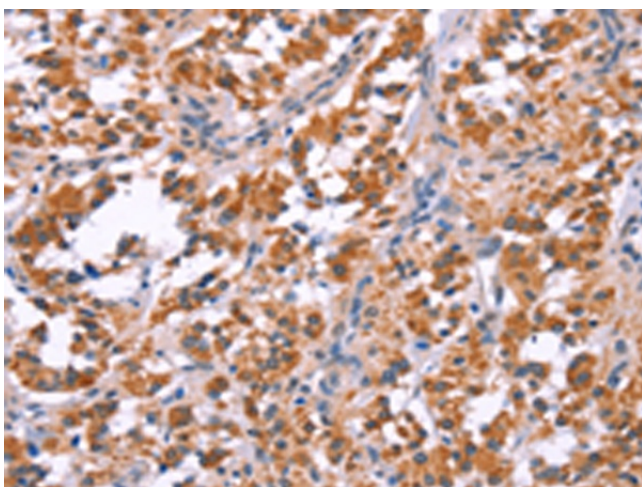
Lysate: 40 µg

Lane: Human lymphoma tissue

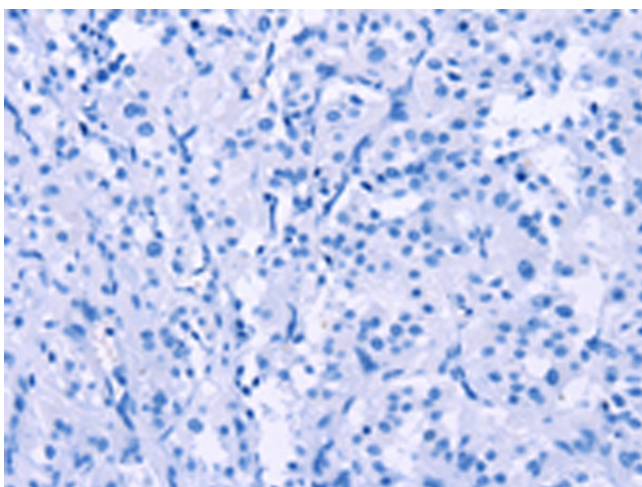
Primary antibody: [TA349251] (ARC Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

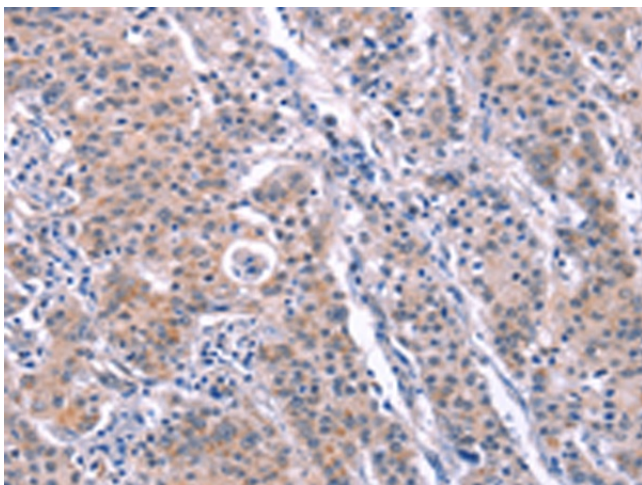
Exposure time: 10 seconds



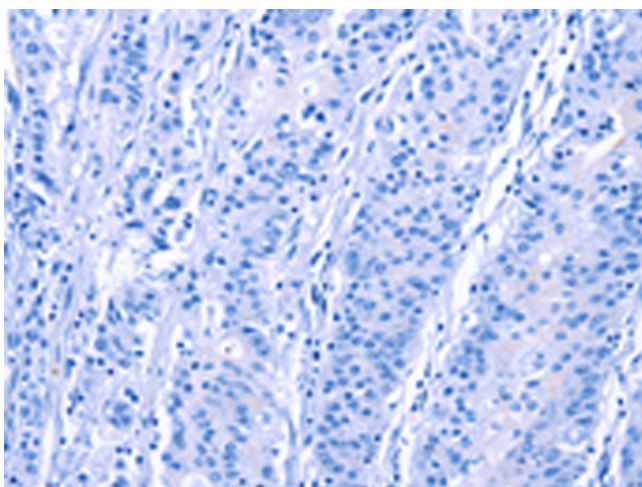
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349251] (ARC Antibody) at dilution 1/25 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA349251] (ARC Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA349251] (ARC Antibody) at dilution 1/25 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using [TA349251] (ARC Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: ×200)