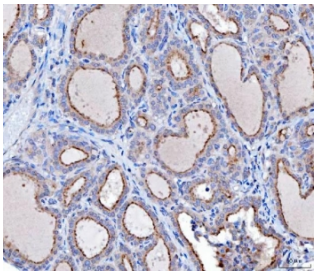
hDKIR Antibody / C3IP1 / KLHL12 [clone 2G11D1] (RQ7635)

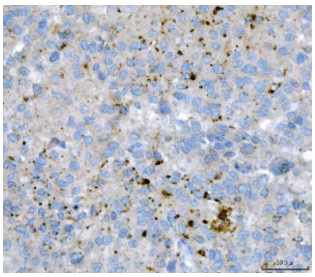
Catalog No.	Formulation	Size
RQ7635	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

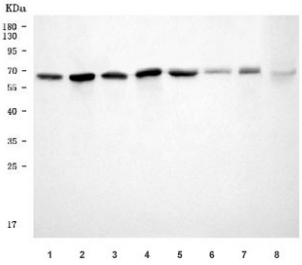
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	2G11D1
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q53G59
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This hDKIR antibody is available for research use only.



IHC staining of FFPE human thyroid cancer tissue with hDKIR antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human liver cancer tissue with hDKIR antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human PC-3, 2) human 293T, 3) human HeLa, 4) human Jurkat, 5) rat brain, 6) rat PC-12, 7) mouse brain and 8) mouse RAW264.7 cell lysate with hDKIR antibody. Predicted molecular weight ~63 kDa.

Description

Kelch-like protein 12, also called CUL3-interacting protein 1 (C3IP1) and DKIR homolog (hDKIR), is a protein that in humans is encoded by the KLHL12 gene. This gene encodes a member of the KLHL (Kelch-like) family of proteins. This protein has been identified as an autoantigen in the autoimmune disease Sjogren's syndrome and as a potential biomarker in primary biliary cirrhosis. This protein may act as a substrate adaptor of the Cullin-3 ubiquitin ligase complex to promote substrate-specific ubiquitylation. Ubiquitylation by this complex has been shown to regulate the Wnt signaling pathway as well as COPII vesicle coat size. A pseudogene has been identified on chromosome 22. Alternative splicing results in multiple transcript variants.

Application Notes

Optimal dilution of the hDKIR antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R27-I331) was used as the immunogen for the hDKIR antibody.

Storage

After reconstitution, the hDKIR antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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