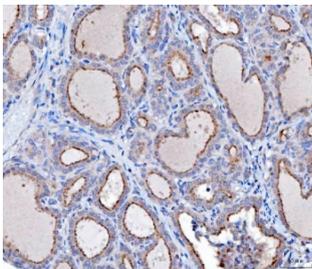


## hDKIR Antibody / C3IP1 / KLHL12 [clone 2G11D1] (RQ7635)

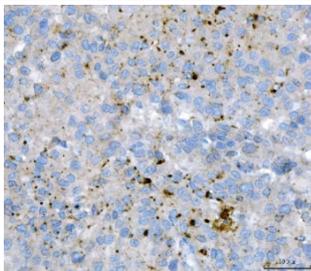
Catalog No.	Formulation	Size
RQ7635	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

### Bulk quote request

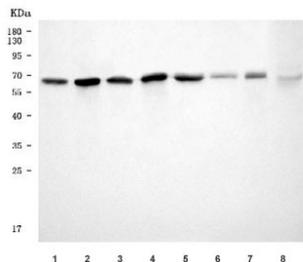
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a
<b>Clone Name</b>	2G11D1
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q53G59
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
<b>Limitations</b>	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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.