

**ITFG2/MDS028 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57233****Specification****ITFG2/MDS028 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">O969R8</a>
Reactivity	Rat, Pig, Chimpanzee, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49313

**ITFG2/MDS028 Polyclonal Antibody - Additional Information****Gene ID** 55846**Other Names**

KICSTOR complex protein ITFG2, Integrin-alpha FG-GAP repeat-containing protein 2  
{ECO:0000312|HGNC:HGNC:30879}, ITFG2 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=30879](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=30879))  
target="\_blank">HGNC:30879</a>)

**Dilution**

<span class = "dilution\_IHC-P">IHC-P~~N/A</span><br \><span class = "dilution\_IHC-F">IHC-F~~N/A</span><br \><span class = "dilution\_IF">IF~~1:50~200</span><br \><span class = "dilution\_ICC">ICC~~N/A</span><br \><span class = "dilution\_E">E~~N/A</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**ITFG2/MDS028 Polyclonal Antibody - Protein Information****Name** ITFG2 ([HGNC:30879](#))**Function**

As part of the KICSTOR complex functions in the amino acid- sensing branch of the TORC1 signaling pathway. Recruits, in an amino acid-independent manner, the GATOR1 complex to the lysosomal membranes and allows its interaction with GATOR2 and the RAG GTPases. Functions upstream of the RAG GTPases and is required to negatively regulate mTORC1 signaling in absence of amino acids. In absence of the KICSTOR complex mTORC1 is constitutively localized to the lysosome and activated. The KICSTOR complex is also probably involved in the regulation of mTORC1 by glucose.

**Cellular Location**

Lysosome membrane. Note=Localization to lysosomes is amino acid-independent

**ITFG2/MDS028 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ITFG2/MDS028 Polyclonal Antibody - Images**