

## Anti-KLHL12 Antibody Picoband® (monoclonal, 2G11D1) Fluoro488 Conjugated

Catalog Number: M08568-1-Fluoro488

### About KLHL12

Kelch-like protein 12 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.

### Overview

Product Name	Anti-KLHL12 Antibody Picoband® (monoclonal, 2G11D1) Fluoro488 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Monoclonal 2G11D1
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Mouse
Uniprot ID	Q53G59

### Technical Details

Immunogen	E.coli-derived human KLHL12 recombinant protein (Position: R27-I331).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	IgG2a
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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