

CoraLite® Plus 488-conjugated KBTBD2 Monoclonal antibody

Catalog Number: **CL488-67895**

Basic Information

Catalog Number: CL488-67895	GenBank Accession Number: BC047107	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 25948	CloneNo.: 2A9F3
Source: Mouse	UNIPROT ID: Q8IY47	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: kelch repeat and BTB (POZ) domain containing 2	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG4933	Calculated MW: 622 aa, 71 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: Human, mouse, rat	

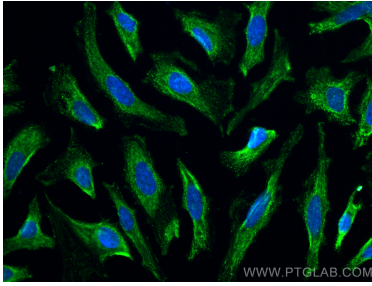
Background Information

Kelch repeat and BTB domain containing 2 (KBTBD2), also known as BTB and kelch domain-containing protein 1, encodes a BTB-Kelch family subunit that p85 α -specific recognition for the Cullin3-based E3 ubiquitin ligase complex, which regulates p85 α protein ubiquitination and subsequently regulates phosphoinositide-3 kinases (PI3K) signaling (PMID:27708159). However, the expression profile and functional significance of Kbtbd2 is still largely unknown. The Human Protein Atlas which is an online source shows high Kbtbd2 expression in the spleen and thymus, suggesting that Kbtbd2 might involved in immunization (PMID:29331106). In addition, Kbtbd2 is related to Src-induced phosphorylation of protein, spermatogonial stem cell activity (PMID:15623525, 29331106).

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Coralite® Plus 488 KBTBD2 antibody (CL488-67895, Clone: 2A9F3) at dilution of 1:200.