

CoraLite® Plus 488-conjugated OTUB1 Monoclonal antibody

Catalog Number: CL488-68489

Basic Information

Catalog Number:

CL488-68489

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG33132

GenBank Accession Number:

BC007519

GeneID (NCBI):

55611

UNIPROT ID:

Q96FW1

Full Name:

OTU domain, ubiquitin aldehyde binding 1

Calculated MW:

31 kDa and 35 kDa

Observed MW:

31-35 kDa

Purification Method:

Protein A purification

CloneNo.:

2F7F8

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : U2OS cells,

Background Information

OTUB1 belongs to the ovarian tumor domain protease (OTU) subfamily of deubiquitinases, which could block ubiquitination leading to protein stability. OTUB1 mainly prefers k-48 and k-63 ubiquitin chains type, especially in k-48 ubiquitin chain. OTUB1 performs its deubiquitinating function via two distinct manners: the canonical and non-canonical manner. OTUB1 is involved in many critical immune response processes, containing CD8 T cell activation, PD-L1 related immune evasion, and several infectious diseases. OTUB1 plays an important role in the occurrence, proliferation, invasion, and progression of various cancers, such as bladder cancer, breast cancer, prostate cancer, and colorectal cancer (PMID: 34875341, 35296795). OTUB1 has 2 isoforms with molecular weights of 31 and 35 kDa, respectively.

Storage

Storage:

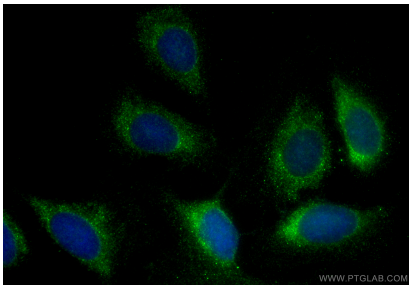
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using CoraLite® Plus 488 OTUB1 antibody (CL488-68489, Clone: 2F7F8) at dilution of 1:200.