

For Research Use Only

CoraLite® Plus 488-conjugated UGDH Monoclonal antibody



Catalog Number: CL488-67360

Featured Product

Basic Information

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|---|--|---|
| Catalog Number: CL488-67360 | GenBank Accession Number: BC022781 | Purification Method: Protein G purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 7358 | CloneNo.: 1E2E1 |
| Source: Mouse | Full Name: UDP-glucose dehydrogenase | Recommended Dilutions: IF 1:50-1:500 |
| Isotype: IgG1 | Calculated MW: 494 aa, 55 kDa | Excitation/Emission maxima wavelengths: 493 nm / 522 nm |
| Immunogen Catalog Number: AG29747 | Observed MW: 55-60 kDa | |

Applications

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|---|---|
| Tested Applications: IF | Positive Controls: IF : HeLa cells, |
| Species Specificity: Human, Mouse, Rat, pig | |

Background Information

UDP-glucose 6-dehydrogenase (UGDH) is a key enzyme in the uronic acid pathway, and converts UDP-glucose (UDP-Glc) to UDP-glucuronic acid (UDP-GlcA). UGDH is critical to the production of extracellular matrix components which are essential to the migration and connectivity of neurons early in human brain development. UDP-GlcA is an essential sugar nucleotide precursor and a key component in the synthesis and stepwise degradation of glycosaminoglycans (GAGs). The protein subunit migrates on SDS-PAGE at ~55 kDa. (PMID: 32175296, PMID: 21576248, PMID: 31243371).

Storage

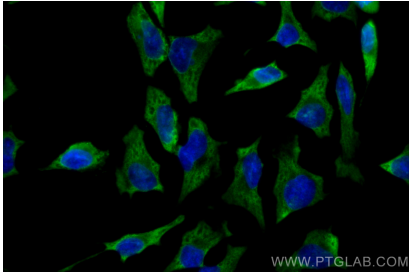
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using Coralite® Plus 488 UGDH antibody (CL488-67360, Clone: 1E2E1) at dilution of 1:200.