



Mouse Anti-*A. aeolicus* BPL/BioID2 Monoclonal Antibody, clone TT RE2 (CABT-Z394M)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Glutathione-S-transferase fused to <i>A. aeolicus</i> BPL/BioID2.
Isotype	IgG2a, κ
Source/Host	Mouse
Species Reactivity	<i>A. aeolicus</i>
Clone	TT RE2
Purification	Protein G purified
Conjugate	Unconjugated
Applications	WB, IF/ICC
Molecular Weight	27 kDa
Positive Control	Cells overexpressing an <i>A. aeolicus</i> BPL R40G (BioID2) construct
Format	Liquid
Concentration	Lot specific
Size	100 µg
Buffer	0.1M Sodium Phosphate, pH 7.4, 0.15M NaCl, 0.05% (w/v) Sodium Azide.
Preservative	0.05% Sodium Azide
Storage	-20°C or below.

Ship

Wet ice

BACKGROUND

Introduction BiOID2 is a second generation biotin protein ligase (BPL) that can be used to identify protein-protein interactions. BiOID2 is derived from the hyperthermophilic bacterium *Aquifex aeolicus* and was mutated within the conserved biotin binding site (R40G) causing promiscuous protein biotinylation. BiOID2 is the smallest known BPL which improves targeting of the bait protein and improves labelling of other proteins in proximity

Keywords BPL R40G;BioID2

GENE INFORMATION

Gene Name

Entrez Gene ID [1193255](#)

UniProt ID O66837