

Product datasheet

Anti-TCP1 alpha antibody [4E215] ab14136

Overview

Product name	Anti-TCP1 alpha antibody [4E215]
Description	Rat monoclonal [4E215] to TCP1 alpha
Specificity	This antibody recognizes other proteins, most notably the p102B' COP subunit of Golgi coatomer. CTA-123 binds protein A and is useful for native precipitations of coatomer and CTT. This antibody does not react with human Hsp60 protein. This antibody also detects a molecular mass band of approximately 92kD on immunoblots.
Tested applications	Suitable for: WB, ICC, IP
Species reactivity	Reacts with: Mouse, Rat, Sheep, Rabbit, Hamster, Cow, Dog Predicted to work with: Plants ⚠ Does not react with: Non human primates
Immunogen	Rats were immunized with a purified recombinant mouse TCP1 alpha construct encoding the C-terminal half of the 1.8 kb full-length Tcp-1b gene expressed in E. coli.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: PBS, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Clone number	4E215
Isotype	IgG2c

Applications

Our [Abpromise guarantee](#) covers the use of **ab14136** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		

Application	Abreviews	Notes
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ICC

IP

Application notes

ICC: Use at a concentration of 5 µg/ml.

IP: Use at a concentration of 5 µg/ml.

WB: Use at a concentration of 1 [ECL] or 2 [Colorimetric] µg/ml. Detects a band of approximately 60 kDa (predicted molecular weight: 67 kDa).

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

Molecular chaperone; assists the folding of proteins upon ATP hydrolysis. As part of the BBS/CCT complex may play a role in the assembly of BBSome, a complex involved in ciliogenesis regulating transports vesicles to the cilia. Known to play a role, in vitro, in the folding of actin and tubulin.

Sequence similarities

Belongs to the TCP-1 chaperonin family.

Cellular localization

Cytoplasm. Cytoplasm > cytoskeleton > centrosome.

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