


Product datasheet

Anti-CSN7A antibody [EPR6463] ab124705

Recombinant RabMAb

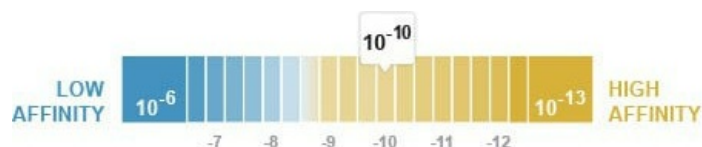
3 Images

Overview

Product name	Anti-CSN7A antibody [EPR6463]
Description	Rabbit monoclonal [EPR6463] to CSN7A
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Rat 
Immunogen	Synthetic peptide corresponding to Human CSN7A aa 200-300. Database link: Q9UBW8
Positive control	HeLa, JAR, human fetal muscle, brain, heart, and kidney lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 1.35 x 10 ⁻¹⁰ M



[Learn more about K_D](#)

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR6463
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab124705 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

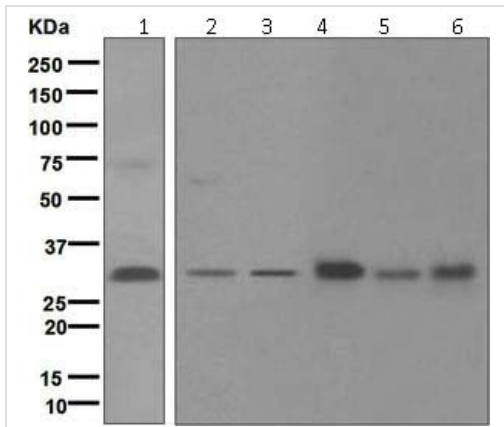
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 30 kDa.

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

Function	Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, JUN, I-kappa-B-alpha/NFKBIA, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively.
Tissue specificity	Widely expressed. Expressed at high level in brain, heart and skeletal muscle.
Sequence similarities	Belongs to the CSN7/EIF3M family. CSN7 subfamily. Contains 1 PCI domain.
Post-translational modifications	Phosphorylated by CK2 and PKD kinases.
Cellular localization	Cytoplasm. Nucleus.

Images



Western blot - Anti-CSN7A antibody [EPR6463] (ab124705)

All lanes : Anti-CSN7A antibody [EPR6463] (ab124705) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : JAR cell lysate

Lane 3 : Human fetal muscle cell lysate

Lane 4 : Human brain cell lysate

Lane 5 : Human heart cell lysate

Lane 6 : Human kidney cell lysate

Lysates/proteins at 10 µg per lane.

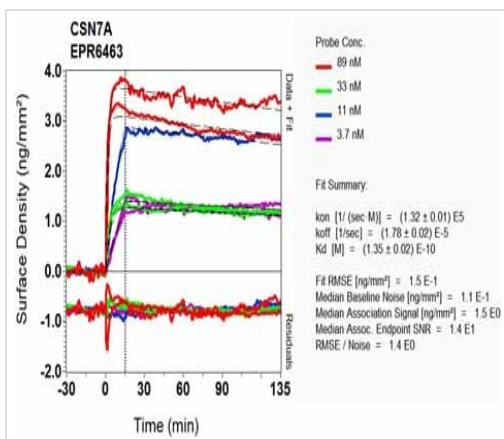
Predicted band size: 30 kDa

Standard HRP labelled goat anti-rabbit at 1:2000.

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)



O1-RD Scanning - Anti-CSN7A antibody [EPR6463] (ab124705)

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-CSN7A antibody [EPR6463] (ab124705)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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