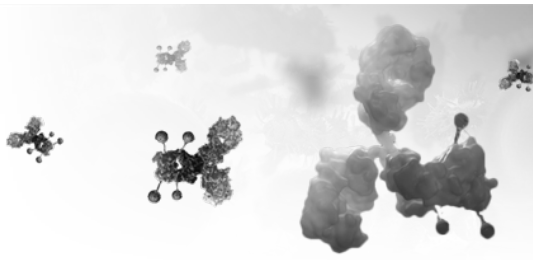

Recombinant Llama Anti-Human Tensin4 Monoclonal Antibody, clone Oc23 (CABT-Z363L)

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

PRODUCT INFORMATION

Product Overview	Recombinant Anti-Human Tensin4 Nanobody produced in E. Coli with a COOH-terminal HA epitope tag. Based on recombinant single domain antibody derived from the variable regions of heavy chain of llama.
Immunogen	A fragment of Tensin4 encompassing residues 428-714, covering the SH2 and PTB domain.
Isotype	VHH
Source/Host	Llama
Species Reactivity	Human
Clone	Oc23
Purification	Purified
Conjugate	Unconjugated
Applications	Pharmacodynamics, IP, ELISA
Format	Liquid
Concentration	Lot specific
Size	100 µg
Buffer	20 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1mM DTT, 60 % glycerol.

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Preservative	None
Storage	Store at -20°C upon arrival. For long term storage, aliquot and store at -80°C. Avoid repeated freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Tensin is a component of the cytoskeleton and localizes close to or at focal adhesions, connecting the cytoplasmic tail of integrins with actin filaments. It contains a C-terminal SH2 and PTB (phosphotyrosinebinding domain). It binds tyrosine-phosphorylated proteins that assemble into signaling complexes at focal adhesions. TNS4, or CTEN as it is also known, does not contain an N-terminal region with an actin binding domain unlike the other isoforms. TSN4 is reported to regulate cell motility and may affect metastasis of cancer cells. Its expression has been reported to be down regulated in prostate cancer, but upregulated in lung and breast cancer. The SH2 domain of CTEN was shown to bind directly to phosphorylated MET receptor, thus stabilizing the protein and preventing its degradation in lysosomes.
Keywords	TNS4;tensin 4;tensin-4;C terminal tensin like;CTEN;C-terminal tensin-like protein

GENE INFORMATION

Entrez Gene ID	84951
UniProt ID	Q6PJP3

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