

PADI6 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18363a**Specification**

PADI6 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q6TGC4](#)**PADI6 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 353238**Other Names**

Protein-arginine deiminase type-6, Peptidyl arginine deiminase-like protein, Peptidylarginine deiminase VI, hPADVI, Protein-arginine deiminase type VI, PADI6

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PADI6 Antibody (N-term) Blocking Peptide - Protein Information**Name** PADI6**Synonyms** PAD6**Function**

Catalyzes the deimination of arginine residues of proteins (By similarity). May be involved in cytoskeletal reorganization in the egg and early embryo (PubMed:27545678).

Cellular Location

Cytoplasm. Nucleus {ECO:0000250|UniProtKB:Q8K3V4}. Cytoplasmic vesicle, secretory vesicle, Cortical granule {ECO:0000250|UniProtKB:Q8K3V4}. Note=Predominantly cytoplasmic (oocyte cytoplasmic sheets), also nuclear. Released extracellularly during the cortical reaction, and remains associated with the blastomeres surfaces as a peripheral membrane protein until the blastocyst stage of development. {ECO:0000250|UniProtKB:Q8K3V4}

Tissue Location

Highly expressed in oocytes and weakly expressed in other somatic tissues.

PADI6 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PADI6 Antibody (N-term) Blocking Peptide - Images

PADI6 Antibody (N-term) Blocking Peptide - Background

Peptidylarginine deiminases (PADs, EC 3.5.3.15), including PADI6, make up a family of posttranslational protein modification enzymes that convert arginine residues to citrulline residues in the presence of calcium ions.

PADI6 Antibody (N-term) Blocking Peptide - References

Stacey, S.N., et al. Nat. Genet. 40(11):1313-1318(2008) Chavanas, S., et al. Gene 330, 19-27 (2004)
:Zhang, J., et al. Acta Biochim. Pol. 51(4):1051-1058(2004) Vossenaar, E.R., et al. Bioessays
25(11):1106-1118(2003)