

## Product datasheet for **AP05728PU-N**

### carabin (TBC1D10C) (N-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1 - 2 µg/ml; detects a band of approximately 55kDa in human spleen tissue cell lysates. Immunohistochemistry on paraffin sections (requires antigen retrieval).
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A 17 amino acid peptide from near the amino terminus of human Carabin.
Specificity:	This antibody recognises Carabin, also known as TBC1 domain family member 10C (TBC1D10C), a 50 kDa protein belonging to the TBC1 domain family of proteins. This antibody does not cross react with either TBC1D10A or TBC1D10B.
Formulation:	Phosphate buffered saline containing 0.02% Sodium Azide (NaN <sub>3</sub> ) State: Purified State: Liquid purified IgG
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for up to one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	TBC1 domain family member 10C
Database Link:	<a href="#">Entrez Gene 374403 Human Q8IV04</a>



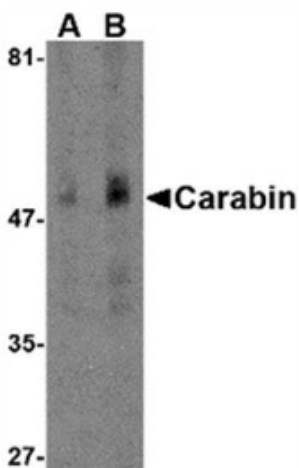
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**Background:**

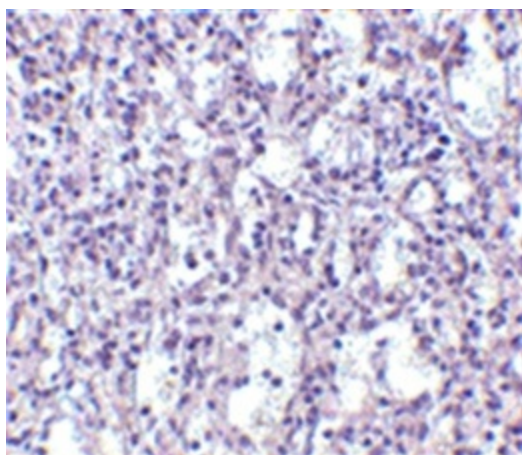
Carabin differs from other members of the TBC1 domain protein family, which appear to play a role in the regulation of cell growth and differentiation. Studies demonstrate that Carabin is part of a negative regulatory loop for the intracellular TCR signalling pathway and acts as an inhibitor of the Ras signalling pathway. Carabin is also believed to mediate crosstalk between calcineurin and Ras. Carabin is most abundantly expressed in spleen and peripheral blood leucocytes.

**Synonyms:**

TBC1D10C

**Product images:**


Western blot analysis of whole cell lysate from Daudi, Burkitt's lymphoma derived cells probed with Rabbit anti Human Carabin at 1 (A) and 2 (B) ug/ml



Formalin fixed, paraffin embedded human spleen with Rabbit anti Human Carabin following heat mediated antigen retrieval using sodium citrate buffer (pH6.0).