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## Datasheet for ABIN5514386 **anti-Bystin antibody (N-Term)**

### Overview

Quantity:	100 µL
Target:	Bystin (BYST)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Bystin antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human BYST
Sequence:	RGTGAEEEY VGPRLSRRIL QQARQQEEL EAEHGTGDKP AAPRERTTRL
Characteristics:	This is a rabbit polyclonal antibody against BYST. It was validated on Western Blot.
Purification:	Affinity purified

### Target Details

Target:	Bystin (BYST)
Alternative Name:	BYST ( <a href="#">BYST Products</a> )
Background:	Bystin is expressed as a 2-kb major transcript and a 3.6-kb minor transcript in SNG-M cells and in human trophoblastic teratocarcinoma HT-H cells. Protein binding assays determined that

## Target Details

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bystin binds directly to trophinin and tastin, and that binding is enhanced when cytokeratins 8 and 18 are present. Immunocytochemistry of HT-H cells showed that bystin colocalizes with trophinin, tastin, and the cytokeratins, suggesting that these molecules form a complex in trophectoderm cells at the time of implantation. Using immunohistochemistry it was determined that trophinin and bystin are found in the placenta from the sixth week of pregnancy. Both proteins were localized in the cytoplasm of the syncytiotrophoblast in the chorionic villi and in endometrial decidual cells at the uteroplacental interface. After week 10, the levels of trophinin, tastin, and bystin decreased and then disappeared from placental villi.

Alias Symbols: BYSL,

Protein Interaction Partner: ZBTB8A, KRTAP10-3, KRTAP10-5, SMN2, TRIM27, TRIM37, MID1, GOLGA2, EPS8, EMD, PHC2, AES, KRTAP10-7, CEP57L1, BEND7, FAM9B, OLIG3, MIPOL1, RALYL, KRT40, SSX2IP, MRFAP1L1, LONRF1, KRTAP4-2, C1orf94, LTV1, L3MBTL3, LZTS2, TEK1, DOCK8, CEP44, CEP70, CCDC33, C

Protein Size: 437

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Gene ID: 705

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NCBI Accession: [NP\\_004044](#)

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UniProt: [Q13895](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Handling

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Storage: -20 °C

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Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.