10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# SI antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12503

## Product Information

| | |
|---|---|
| **Application** | WB |
| **Primary Accession** | P14410 |
| **Other Accession** | NM_001041, NP_001032 |
| **Reactivity** | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine |
| **Predicted** | Mouse, Rat, Dog, Horse, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 209453 |

## Additional Information

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|---|---|
| **Gene ID** | 6476 |
| **Alias Symbol** | MGC131621, MGC131622 |
| **Other Names** | Sucrase-isomaltase, intestinal, Sucrase, 3.2.1.48, Isomaltase, 3.2.1.10, SI |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 50 ul of distilled water. Final anti-SI antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | SI antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

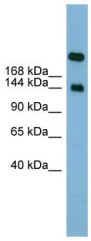
| | |
|---|---|
| **Name** | SI |
| **Function** | Bifunctional enzyme with both sucrase and isomaltase activities involved in breakdown of dietary starch oligosaccharides in small intestine. The isomaltase domain hydrolazes alpha-1,6-glycosidic linkages in isomaltose. The sucrase domain cleaves the alpha-1,2- glycosidic linkages in sucrose to form glucose and fructose, and contributes to the cleavage of the alpha-1,4-glycosidic linkage in maltose to form two glucose monosaccharides. |
| **Cellular Location** | Apical cell membrane {ECO:0000250\|UniProtKB:P23739}; Single-pass type II membrane protein {ECO:0000250\|UniProtKB:P07768}. Note=Brush border |
| **Tissue Location** | Expressed in the poorly differentiated crypt cells of the small intestine as well |

as in the mature villous cells Expressed at very low levels in the colon

## References

Gu,N.,(2007)Biochem.Biophys.Res.Commun.353(3),617-622ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

## Images




WB Suggested Anti-SI Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:312500
Positive Control: Human Small Intestine

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.