# ABI3 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | ABI3, Polyclonal Antibody |
| **Full Product Name** | ABI3 Antibody, HRP conjugated |
| **Product Gene Name** | anti-ABI3 antibody |
| **Product Synonym Names** | ABI gene family member 3; ABI3; NESH; New molecule including SH3; Nesh |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse |
| **Purity/Purification** | >95%, Protein G Purified |
| **Preparation and Storage** | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |
| **Matching Pairs** | Unconjugated Antibody: ABI3 (MBS7006080)<br>HRP Conjugated Antibody: ABI3 (MBS1497675) |
| **Molecular Weight** | 38,450 Da |
| **OMIM** | 606363 |
| **3D Structure** | ModBase 3D Structure for Q9P2A4 |
| **Storage Buffer** | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, PH 7.4 |
| **Conjugate** | HRP |
| **Immunogen** | Recombinant human ABI gene family member 3 protein |
| **Santa Cruz Alternative** | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-160122 / sc-160123 / sc-160124 |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-ABI3 antibody** | ELISA (EIA) |
| **Related Product Information for anti-ABI3 antibody** | MBS1497675 is an antibody targeting ABI3. Also known as ABI3 Antibody, HRP conjugated. Reactive in Human, Mouse. Host: Rabbit. May inhibit tumor metastasis (By similarity). In vitro, reduces cell motility. |
| **Other Notes** | Small volumes of anti-ABI3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ABI3. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 206597502 |
| **NCBI GeneID** | 51225 |
| **NCBI Accession #** | NP_001128658.1 |

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| **UniProt Primary Accession #** | Q9P2A4 |
| **UniProt Secondary Accession #** | Q9H0P6; C9IZN8 |
| **UniProt Related Accession #** | Q9P2A4 |
| **GenBank Nucleotide #** | NM_001135186.1 |
| **NCBI Official Full Name** | ABI gene family member 3 isoform 2 |
| **NCBI Official Synonym Full Names** | ABI family member 3 |
| **NCBI Official Symbol** | ABI3 |
| **NCBI Official Synonym Symbols** | NESH; SSH3BP3 |
| **UniProt Protein Name** | ABI gene family member 3 |
| **UniProt Synonym Protein Names** | New molecule including SH3; Nesh |
| **Protein Family** | ABI gene family |
| **UniProt Gene Name** | ABI3 |
| **UniProt Synonym Gene Names** | NESH; Nesh |
| **UniProt Entry Name** | ABI3_HUMAN |
| **NCBI Protein Information** | ABI gene family member 3 |
| **NCBI Summary for ABI3** | This gene encodes a member of an adaptor protein family. Members of this family encode proteins containing a homeobox homology domain, proline rich region and Src-homology 3 (SH3) domain, and are components of the Abi/WAVE complex which regulates actin polymerization. The encoded protein inhibits ectopic metastasis of tumor cells as well as cell migration. This may be accomplished through interaction with p21-activated kinase. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013] |
| **UniProt Comments for ABI3** | ABI3: May inhibit tumor metastasis. In vitro, reduces cell motility. Belongs to the ABI family. 2 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Adaptor/scaffold<br><br>Chromosomal Location of Human Ortholog: 17q21.3<br><br>Cellular Component: cytoplasm; intracellular; lamellipodium; membrane<br><br>Molecular Function: protein binding<br><br>Biological Process: cell motility; peptidyl-tyrosine phosphorylation; regulation of cell migration |
| **Research Articles on ABI3** | **1.** Result links ABI3 to the pathogenesis and progression of some cancers and suggests that ABI3 or its pathway might have interest as therapeutic target. |
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