

## Product datasheet for **TA319457**

### Eif3e Rabbit Polyclonal Antibody

#### Product data:

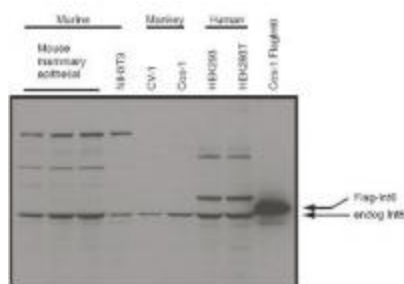
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:90,000, WB: 1:1,000
Reactivity:	Mouse, Human, Rat, Dog, Bovine, Monkey
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the C-terminus of mouse EIF3S6/Int6.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	eukaryotic translation initiation factor 3, subunit E
Database Link:	<a href="#">NP_032414</a> <a href="#">Entrez Gene 3646 Human</a> <a href="#">Entrez Gene 299872 Rat</a> <a href="#">Entrez Gene 475070 Dog</a> <a href="#">Entrez Gene 697622 Monkey</a> <a href="#">Entrez Gene 103692906 Rat</a> <a href="#">Entrez Gene 16341 Mouse P60229</a>
Synonyms:	eIF3-p46; EIF3-P48; EIF3S6; INT6



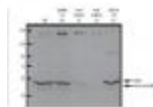
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**Note:** This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. Int6 is a candidate tumor suppressor in multiple neoplasms, and in particular, breast and lung cancers. The Int6 locus was initially identified as a common insertion site (CIS) in a genetic screen for transforming sequences in a breast cancer mouse model system. Insertion of mouse mammary tumor virus (MMTV) into this locus results in the production of an amino-terminal truncated gene product. Expression of the truncated Int6 product corresponds to cellular transformation in both in vivo and in vitro systems. This gene product plays a role in regulating translation initiation and is a component of the eIF3 translation initiation complex. There is evidence that suggests that Int6 may impart a negative role in the general translational machinery while promoting an increase in the expression of a subset of stress-responsive genes. Taken together, it is of great interest to further study the mechanism by which Int6 is involved in regulating cell growth.

### Product images:



WB using Anti-eIF3S6/Int6 antibody shows detection of endogenous eIF3S6/Int6 in whole cell extracts from murine (HC-11 and NIH3T3), monkey (CV-1 and Cos-1), and human (HEK293T) cell lines as well as over-expressed eIF3S6/Int6 (control transfected flag-tagged Int6). The identity of the higher and lower molecular weight bands is unknown. The band at ~48 kDa, indicated by the arrowhead, corresponds to flag-tagged EIF3S6/Int6. Primary antibody was used at 1:1000.



Western blot using affinity purified anti-eIF3S6/Int6 antibody shows detection of endogenous eIF3S6/Int6. Specific staining is not present in lysates containing lentiviral knockdown vectors (shRNA #1 and #2). Control vectors, specifically a scrambled sequence (Ctl NS) and a sequence against an unrelated gene (Ctl #2), were also used. Personal communication, J.Lee, NCI, Bethesda, MD.