

## Product datasheet for **CF502145**

### **BIN3 Mouse Monoclonal Antibody [Clone ID: OTI8E9]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI8E9
<b>Applications:</b>	FC, IF, IHC, WB
<b>Recommended Dilution:</b>	WB 1:500~2000, IHC 1:150, IF 1:100, FLOW 1:100
<b>Reactivity:</b>	Human, Dog, Monkey, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2a
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human BIN3 (NP_061158) produced in HEK293T cell.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	29.5 kDa
<b>Gene Name:</b>	bridging integrator 3
<b>Database Link:</b>	<a href="#">NP_061158</a> <a href="#">Entrez Gene 57784 Mouse</a> <a href="#">Entrez Gene 361065 Rat</a> <a href="#">Entrez Gene 608969 Dog</a> <a href="#">Entrez Gene 708840 Monkey</a> <a href="#">Entrez Gene 55909 Human</a> <a href="#">Q9NQY0</a>



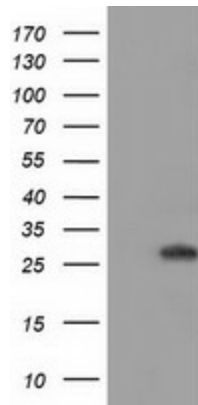
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**Background:**

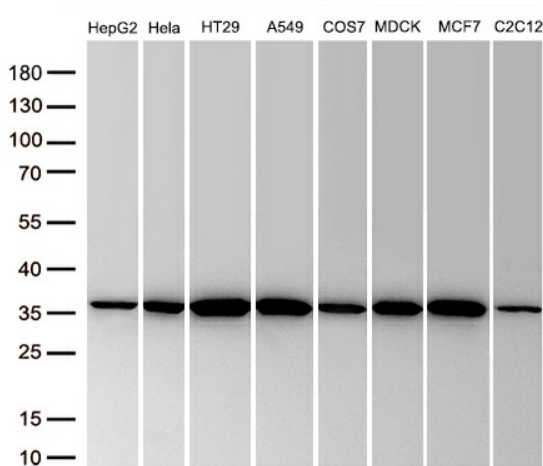
The product of this gene is a member of the BAR domain protein family. The encoded protein is comprised solely of a BAR domain which is predicted to form coiled-coil structures and proposed to mediate dimerization, sense and induce membrane curvature, and bind small GTPases. BAR domain proteins have been implicated in endocytosis, intracellular transport, and a diverse set of other processes. [provided by RefSeq]. COMPLETENESS: complete on the 3' end.

**Synonyms:**

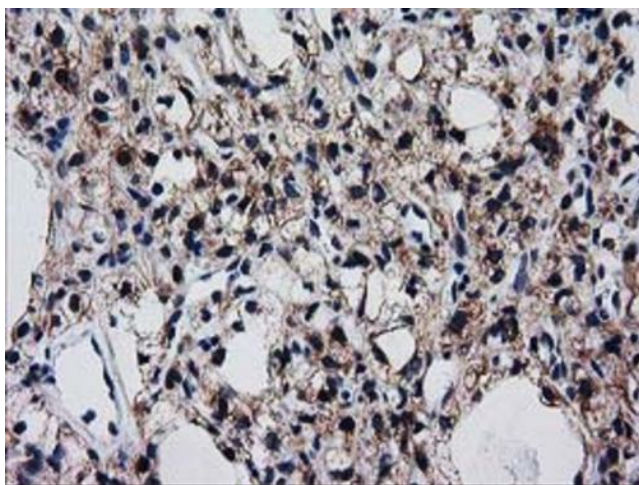
MGC14978

**Product images:**


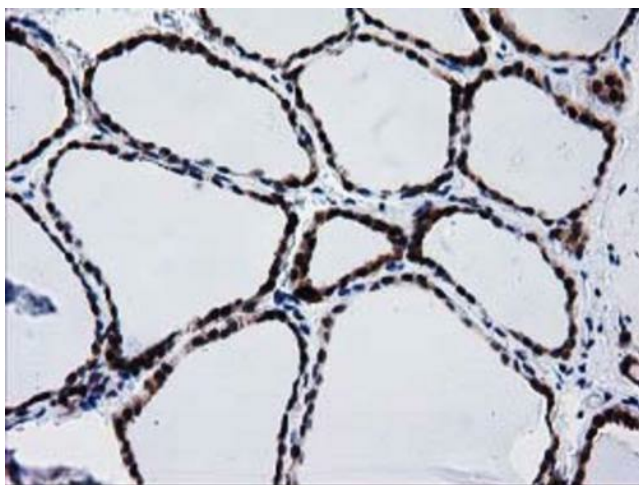
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY BIN3 (Cat# [RC203378], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BIN3 (Cat# [TA502145]). Positive lysates [LY402705] (100ug) and [LC402705] (20ug) can be purchased separately from OriGene.



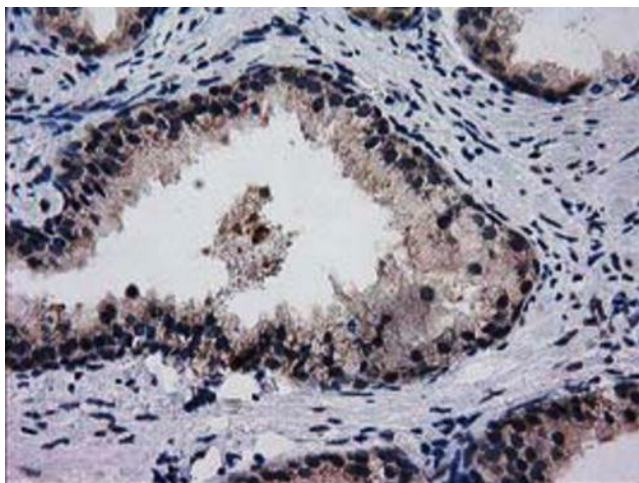
Western blot analysis of extracts (30ug per lane) from 8 cell lines lysates by using anti-BIN3 monoclonal antibody ([TA502145], 1:2000).



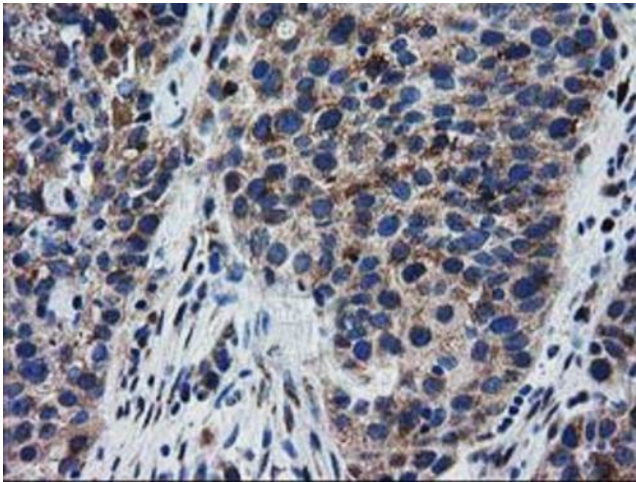
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-BIN3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



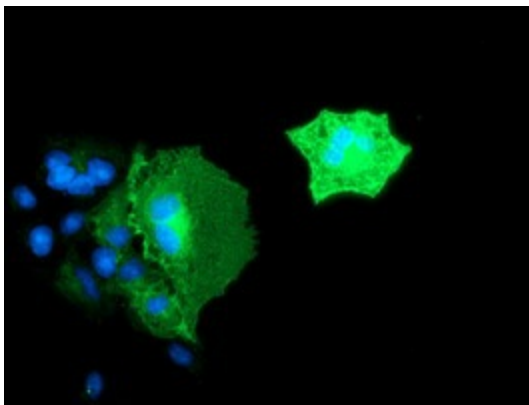
Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-BIN3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



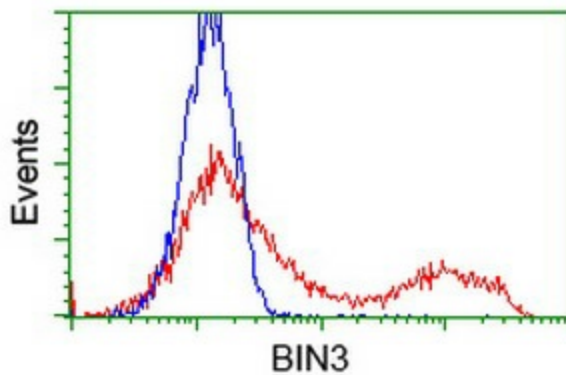
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-BIN3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-BIN3 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-BIN3 mouse monoclonal antibody ([TA502145]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY BIN3 ([RC203378]).



HEK293T cells transfected with either [RC203378] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-BIN3 antibody ([TA502145]), and then analyzed by flow cytometry.