

## Product datasheet for **TA804396AM**

### **IKZF3 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI7E11]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI7E11
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 1-301 of human IKZF3 (NP_036613) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	57.8 kDa
Gene Name:	IKAROS family zinc finger 3
Database Link:	<a href="#">NP_036613</a> <a href="#">Entrez Gene 22780 Mouse</a> <a href="#">Entrez Gene 303511 Rat</a> <a href="#">Entrez Gene 22806 Human</a> <a href="#">Q9UKT9</a>



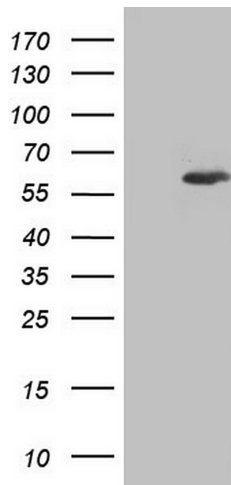
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**Background:**

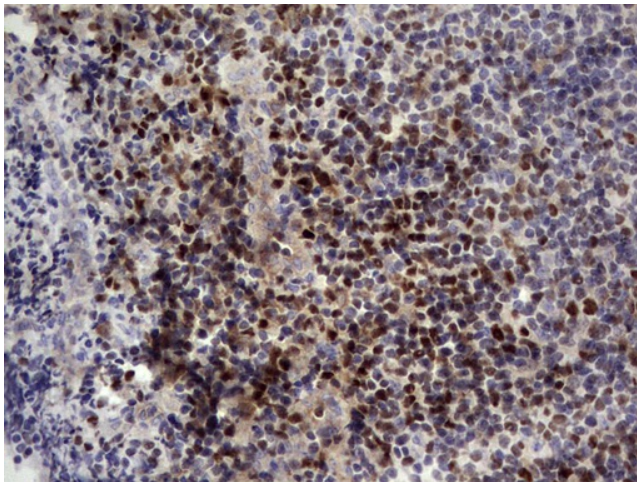
This gene encodes a member of the Ikaros family of zinc-finger proteins. Three members of this protein family (Ikaros, Aiolos and Helios) are hematopoietic-specific transcription factors involved in the regulation of lymphocyte development. This gene product is a transcription factor that is important in the regulation of B lymphocyte proliferation and differentiation. Both Ikaros and Aiolos can participate in chromatin remodeling. Regulation of gene expression in B lymphocytes by Aiolos is complex as it appears to require the sequential formation of Ikaros homodimers, Ikaros/Aiolos heterodimers, and Aiolos homodimers. Several alternative transcripts encoding different isoforms have been described, as well as some non-protein coding variants. [provided by RefSeq, Apr 2012]

**Synonyms:**

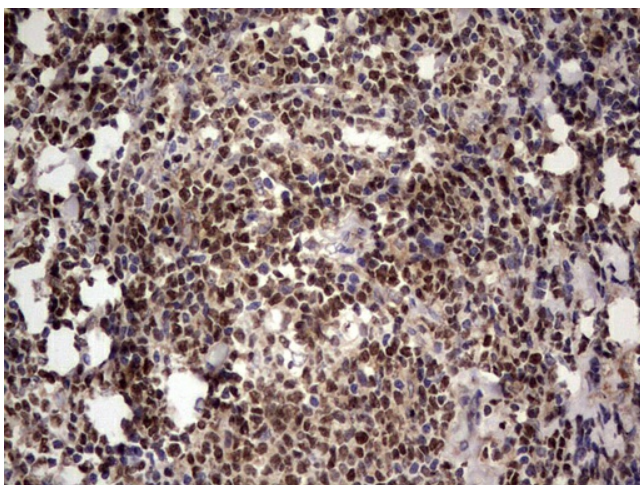
AIO; AIOLOS; ZNFN1A3

**Product images:**


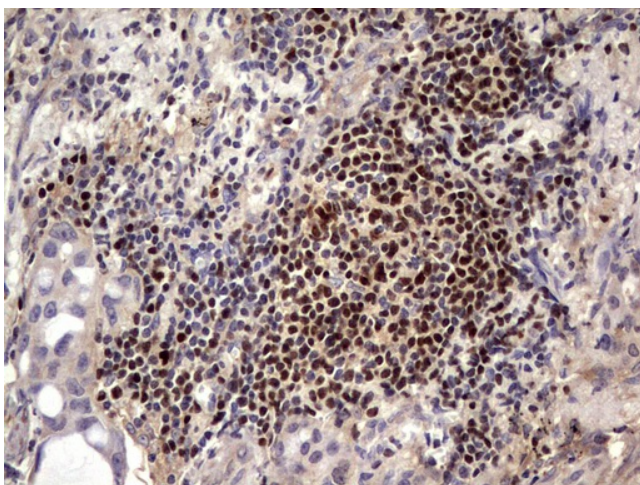
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY IKZF3 (Cat# [RC207547], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-IKZF3 (Cat# [TA804396]). Positive lysates [LY402225] (100ug) and [LC402225] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-IKZF3 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA804396])



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-*IKZF3* mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA804396])



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-*IKZF3* mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA804396])