

Datasheet for ABIN964672

anti-ZNF148 antibody**3** Images**2** Publications[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	ZNF148
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZNF148 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	ZBP-89 Antibody
Immunogen:	Immunogen: Purified full length ZBP-89 recombinant protein expressed in E.coli. Immunogen Type: Recombinant Protein
Cross-Reactivity (Details):	This polyclonal antibody is specific for human ZBP-89.
Characteristics:	Synonyms: rabbit anti-ZBP-89 Antibody, Transcription factor ZBP89 antibody, Zinc finger DNA binding protein 89 antibody, Zinc finger protein 148 antibody, ZNF 148 antibody, Zinc finger protein 148, Transcription factor ZBP-89, ZNF148
Purification:	Anti-ZBP89 antibody was prepared from monospecific antiserum by delipidation and defibrination.
Sterility:	Sterile filtered

Target Details

Target:	ZNF148
Alternative Name:	ZNF148 (ZNF148 Products)
Background:	<p>Background: The GI tract abundantly expresses growth factors many of which bind and activate the EGF receptor present on mucosal cells. One such factor is the zinc finger protein (ZBP-89) that binds to a GC-rich DNA element in the gastrin promoter and confers EGF responsiveness. The full-length protein functions as a repressor of growth factor signals regulating the gastrin promoter. Several other growth related promoters are also regulated by ZBP-89. ZBP-89 is one of a family of related transcriptional regulators. It has been reported in recent studies that ZBP-89 regulates growth in part by stimulating the cyclin-dependent kinase inhibitor, p21waf1, in a butyrate-dependent manner through recruitment of the histone acetyl transferase p300. Moreover, ZBP-89 triggers growth arrest in a p53-dependent manner by preventing nuclear export of p53. ZBP-89 also induces apoptosis, but this process occurs independent of p53.</p>
Gene ID:	256711
UniProt:	Q9UQR1

Application Details

Application Notes:	<p>Application Note: This polyclonal antibody reacts with human ZBP-89 in a variety of tested immunological assays including western blot and ELISA. Although not tested, this antibody is likely functional in immunohistochemistry and immunoprecipitation. For immunoblotting a 1:5,000 dilution is recommended. A band at approximately 89 kDa corresponding to human ZBP-89 is detected. Human monocytes or macrophages or nuclear extracts from PMA treated U937 cells can be used as a positive control. For ELISA a 1:10,000 to 1:30,000 dilution is recommended. Researchers should determine optimal titers for other applications.</p> <p>Western Blot Dilution: 1:5,000</p> <p>ELISA Dilution: 1:10,000 - 1:30,000</p> <p>Other: User Optimized</p>
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Restrictions:	For Research Use only
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Handling

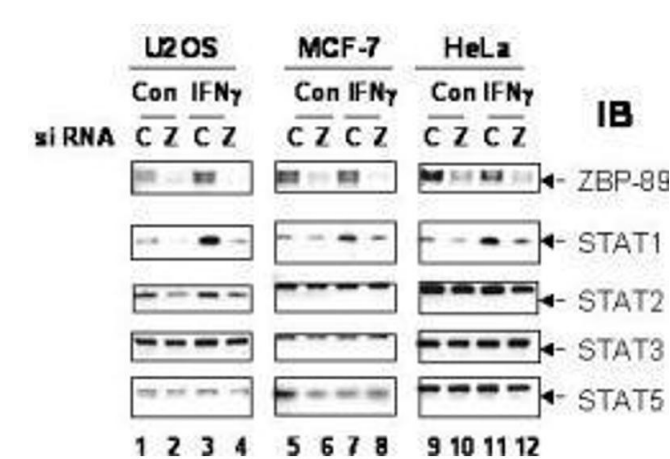
Format:	Liquid
Concentration:	90 mg/mL

Handling

Buffer:	Buffer: None Stabilizer: None Preservative: 0.1 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store ZBP89 Antibody at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

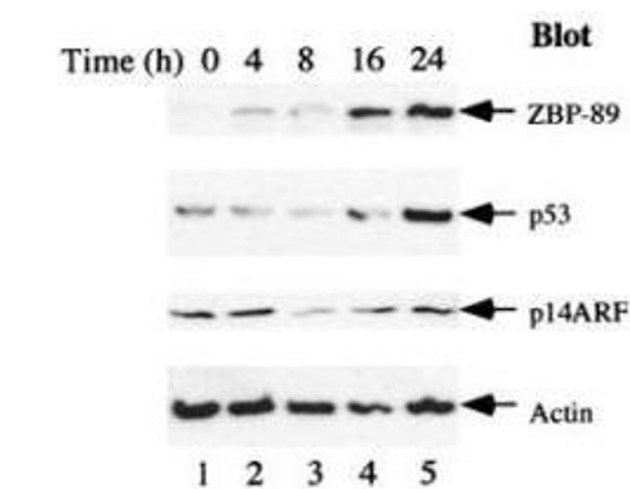
Publications

Product cited in:	<p>Ohneda, Ohmori, Ishijima, Nakano, Yamamoto: "Characterization of a functional ZBP-89 binding site that mediates Gata1 gene expression during hematopoietic development." in: The Journal of biological chemistry, Vol. 284, Issue 44, pp. 30187-99, (2009) (PubMed).</p> <p>Guyot, Murai, Fujiwara, Valverde-Garduno, Hammett, Wells, Dear, Orkin, Porcher, Vyas: "Characterization of a megakaryocyte-specific enhancer of the key hemopoietic transcription factor GATA1." in: The Journal of biological chemistry, Vol. 281, Issue 19, pp. 13733-42, (2006) (PubMed).</p>
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Western Blotting

Image 1. Anti-ZBP-89 antibody used to confirm siRNA knockdown of ZBP-89. See Bai and Merchant (2003) for additional details.



Western Blotting

Image 2. Serum starvation induces ZBP-89 and p53 expression. AGS (gastric carcinoma) cells were cultured in serum-free F-12 medium for the indicated times, and western blots were used to detect the expression profiles of ZBP-89, p53, and p14ARF. Blotting was with Rabbit-anti-ZBP-89 antibody. For detection use HRP conjugated Gt-anti-Rabbit IgG MX10. See Bai and Merchant (2001) for additional details.

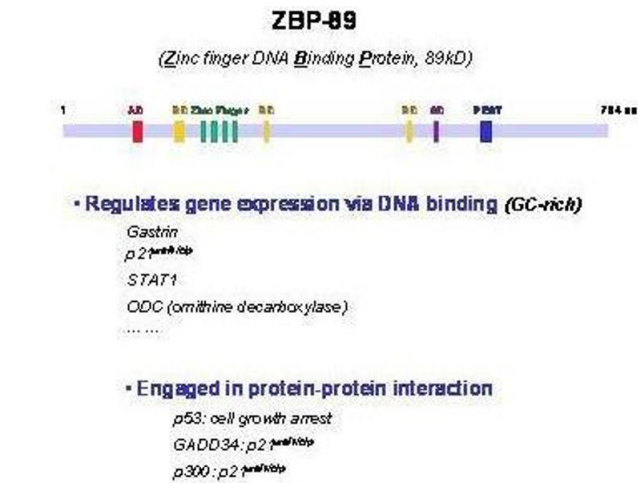


Image 3.