

# Human/Mouse ZBTB7A/Pokemon Antibody

Monoclonal Mouse IgG<sub>2B</sub> Clone # 466407

Catalog Number: MAB3496

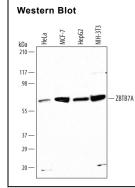
DESCRIPTION		
Species Reactivity	Human/Mouse	
Specificity	Detects human and mouse ZBTB7A/Pokemon in Western blots.	
Source	Monoclonal Mouse IgG <sub>2B</sub> Clone # 466407	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	E. coli-derived recombinant human ZBTB7A/Pokemon Met349-Val476 Accession # O95365	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.	

## **APPLICATIONS**

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

#### DATA



Detection of Human and Mouse ZBTB7A/Pokemon by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, MCF-7 human breast cancer cell line, HepG2 human hepatocellular carcinoma cell line, and NIH-3T3 mouse embryonic fibroblast cell line. PVDF Membrane was probed with 1 µg/mL of Mouse Anti-Human/Mouse ZBTB7A/Pokemon Monoclonal Antibody (Catalog # MAB3496) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for ZBTB7A/Pokemon at approximately 75 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 10.

#### PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.	
	*Cmall peak aize (CD) is shipped with polar peaks. Upon receipt, store it immediately at 20 to 70 °C	

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- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

### BACKGROUND

ZBTB7A (zinc finger and BTB domain-containing 7A), also known as Pokemon, FBI-1 in human, LRF in mouse, and OCZF in rat, is a widely expressed nuclear protein that is overexpressed in many human cancers. It is a transcriptional repressor of ARF, c-fos, c-myc, Rb and others, including many extracellular matrix genes. These targets play important roles, both in normal differentiation and oncogenesis. Human ZBTB7A/Pokemon is a 584 amino acid (aa) protein with a BTB-POZ domain (aa 24-131) and four zinc finger repeats (aa 382-484). Human ZBTB7A/Pokemon shares 98% aa identity with mouse and rat within aa 349-476.

