

For Research Use Only

BHLHE40 Monoclonal antibody, PBS Only



Catalog Number: 68435-1-PBS

Basic Information

Catalog Number: 68435-1-PBS	GenBank Accession Number: BC082238	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 8553	CloneNo.: 1A3E1
Source: Mouse	UNIPROT ID: O14503	
Isotype: IgG2a	Full Name: basic helix-loop-helix family, member e40	
Immunogen Catalog Number: AG12236	Calculated MW: 412 aa, 46 kDa	
	Observed MW: 46-50 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human

Background Information

BHLHE40 (Basic Helix-Loop-Helix Family Member E40), also known as BHLHB2, STRA13, DEC1, or SHARP2, is a member of the basic helix-loop-helix (bHLH) protein family, a large superfamily of transcriptional regulators expressed in many organisms. BHLHE40 is known to regulate a wide variety of essential cellular processes, including cell cycle, cellular proliferation, programmed cell death, cellular development and differentiation, as well as circadian rhythms (PMID: 34551158). It is reported that BHLHE40 is overexpressed in gastric, breast, and brain tumors; and downregulated in colorectal, esophageal, pancreatic and lung cancer (PMID: 32577154).

Storage

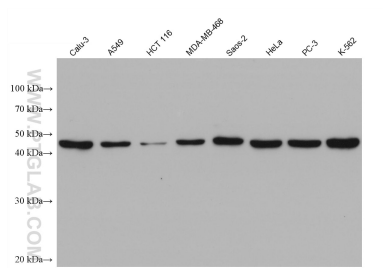
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68435-1-Ig (BHLHE40 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68435-1-PBS in a different storage buffer formulation.