

For Research Use Only

# C6orf108 Monoclonal antibody

Catalog Number: 68310-1-Ig



## Basic Information

<b>Catalog Number:</b> 68310-1-Ig	<b>GenBank Accession Number:</b> BC011683	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10591	<b>CloneNo.:</b> 2C4E1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O43598	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG1	<b>Full Name:</b> chromosome 6 open reading frame 108	
<b>Immunogen Catalog Number:</b> AG22382	<b>Calculated MW:</b> 174 aa, 19 kDa	
	<b>Observed MW:</b> 23 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> A549 cells, LNCaP cells, HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells <b>IF/ICC :</b> HEK-293 cells,

## Background Information

C6orf108 also named as DNPH1, catalyzes the cleavage of the N-glycosidic bond of deoxyribonucleoside 5'-monophosphates to yield deoxyribose 5-phosphate and a purine or pyrimidine base. Deoxyribonucleoside 5'-monophosphates containing purine bases are preferred to those containing pyrimidine bases (PMID: 24260472). Expressed at low levels in brain, colon, lung, peripheral blood leukocytes, placenta, small intestine, and thymus. Expressed at high levels in heart, kidney, liver, skeletal muscle and spleen. Overexpressed in a significant proportion of breast cancers (PMID: 18726892).

## Storage

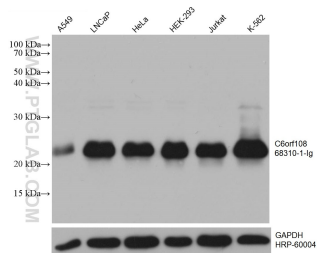
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

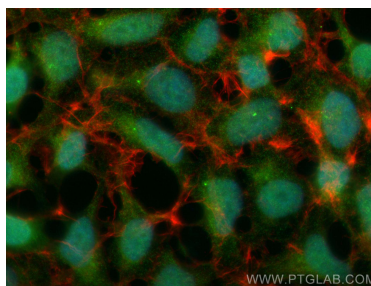
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68310-1-Ig (C6orf108 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using C6orf108 antibody (68310-1-Ig, Clone: 2C4E1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red).