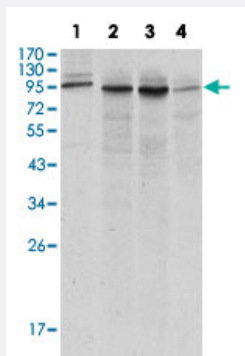


# CANX monoclonal antibody, clone 3H4A7

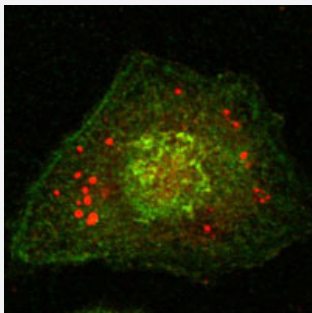
Catalog # MAB10458      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of CANX monoclonal antibody, clone 3H4A7 (Cat # MAB10458) against A-431 (1), HeLa (2), MCF-7 (3) and A-549 (4) cell lysate.



### Immunofluorescence

Confocal immunofluorescence analysis of HeLa cells using CANX monoclonal antibody, clone 3H4A7 (Cat # MAB10458) (green). Blue: DRAQ5 fluorescent DNA dye.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against synthetic peptide CANX.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to human Calnexin.
<b>Sequence</b>	CEAAEERPWLWVVYILTVAL
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	90
<b>Reactivity</b>	Human

Form	Liquid
Isotype	IgG2b
Recommend Usage	Western Blot (1:500-1:2000) Immunofluorescence (1:200-1:1000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascitic (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western blot analysis of CANX monoclonal antibody, clone 3H4A7 (Cat # MAB10458) against A-431 (1), HeLa (2), MCF-7 (3) and A-549 (4) cell lysate.

- Immunofluorescence

Confocal immunofluorescence analysis of HeLa cells using CANX monoclonal antibody, clone 3H4A7 (Cat # MAB10458) (green). Blue: DRAQ5 fluorescent DNA dye.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CANX

Entrez GeneID	<a href="#">821</a>
Gene Name	CANX
Gene Alias	CNX, FLJ26570, IP90, P90
Gene Description	calnexin
Omim ID	<a href="#">114217</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

This gene encodes a member of the calnexin family of molecular chaperones. The encoded protein is a calcium-binding, endoplasmic reticulum (ER)-associated protein that interacts transiently with newly synthesized N-linked glycoproteins, facilitating protein folding and assembly. It may also play a central role in the quality control of protein folding by retaining incorrectly folded protein subunits within the ER for degradation. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq]

**Other Designations**

major histocompatibility complex class I antigen-binding protein p88

**Pathway**

- [Antigen processing and presentation](#)