Product Data Sheet

| Catalogue No. | Qty: |
|---|---|
| AB41488-100 | 250 µg |

# Anti-CANX, DyLight®488

**Source:** Goat

**General description:** Goat polyclonal to CANX (Calnexin) - endoplasmic reticulum (ER) membrane marker conjugated to DyLight® 488. CANX is a member of the calnexin family of molecular chaperones. This protein is a calcium-binding, 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.

**Alternative names:** Calnexin, CALX, CNX, FLJ26570, histocompatibility complex class I antigen binding protein p88, IP90, major histocompatibility complex class I antigen-binding protein p88, MS952, P90 antibody.

**Form:** Polyclonal antibody supplied as a 100 µl (2.5 mg/ml) aliquot in PBS, 20% glycerol, 0.05% ProClin® and 0.05% sodium azide.

**Immunogen:** Purified recombinant peptide within residues 550 aa to the C-terminus of human CANX produced in E. coli.

**Specificity:** Detects a band of 90 kDa by Western blot whole cell lysates.

**Reactivity:** Reacts with Human, Rat, Mouse, Monkey and Canine proteins

| Sample | WB | IHC (F) | IHC (P) | IF | ELISA |
|---|---|---|---|---|---|
| Human | +++ | +++ | ND | +++ | ND |
| Rat | +++ | +++ | ND | +++ | ND |
| Mouse | +++ | +++ | ND | +++ | ND |
| Canine | +++ | +++ | ND | +++ | ND |
| Monkey | +++ | +++ | ND | +++ | ND |

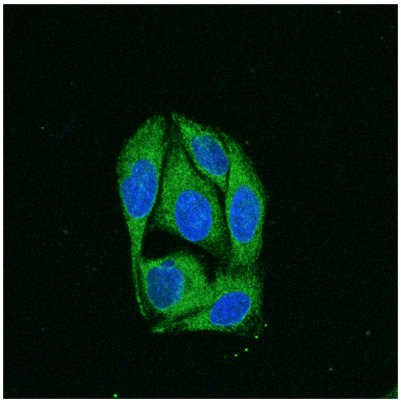
+++ excellent, ++ good, + poor, ND not determined

**Usage:**

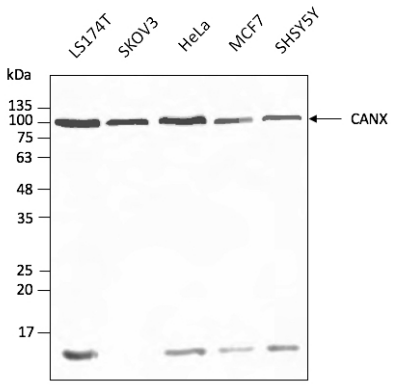
| | |
|---|---|
| WB: | 1:500-1:5,000 |
| IF: | 1:50-1:500 |
| IHC (F): | 1:200-1:1,000 |

**Storage:** Store at -20 C for long-term storage. Store at 2-8 C for up to one month.

**Special instructions:** Avoid freeze/thaw cycles..



Immunofluorescence – anti-CANX Ab conjugated with DyLight®488 using MCR cells; cells were fixed with methanol and anti-CANX at 1/250;




Anti-CANX Ab conjugated to DyLight@488 at 1/2,000 dilution using cell lysates at 40 µg per lane;

For research use only, not for diagnostic use

**SICGEN's Proprietary Immunogen Policy**

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.