

# Organelle Localization IF Antibody Sampler Kit

✓ 1 Kit  
 (5 x 20 µl)



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**For Research Use Only. Not For Use In Diagnostic Procedures.**

Products Included	Product #	Quantity	Organelle	Mol. Wt.	IF-IC Dilution	Isotype
AIF (D39D2) XP® Rabbit mAb	5318	20 µl	Mitochondria	67 kDa	1:400	Rabbit IgG
EEA1 (C45B10) Rabbit mAb	3288	20 µl	Endosomes	170 kDa	1:200	Rabbit IgG
LAMP1 (D2D11) XP® Rabbit mAb	9091	20 µl	Lysosome	90-130 kDa	1:100	Rabbit IgG
PDI (C81H6) Rabbit mAb	3501	20 µl	Endoplasmic Reticulum	57 kDa	1:100	Rabbit IgG
RCAS1 (D2B6N) XP® Rabbit mAb	12290	20 µl	Golgi	32 kDa	1:100	Rabbit IgG

See [www.cellsignal.com](http://www.cellsignal.com) for individual component applications, species cross-reactivity, dilutions and additional application protocols.

**Description:** The Organelle Localization IF Antibody Sampler Kit provides an economical means for identification of cellular organelles by fluorescence immunocytochemistry (IF-IC).

**Background:** Knowledge of the subcellular location of a protein may reveal its potential role in a variety of cellular processes. One can confirm the subcellular location of a marker that colocalizes with one of the organelle-specific antibodies in this kit. While these antibodies serve as powerful tools for immunofluorescence, they may also be used as western blot controls for fractionated cell lysates.

**Specificity/Sensitivity:** Each antibody in the Organelle Localization IF Antibody Sampler Kit recognizes only its specific target and does not cross-react with other family members. Each antibody has been validated for IF-IC and stains the organelles indicated above. Expression of these proteins may vary in different cells and tissues. Please see [www.cellsignal.com](http://www.cellsignal.com) for additional specificity/sensitivity information for individual kit components.

**Source/Purification:** Rabbit monoclonal antibodies are produced by immunizing animals with a recombinant protein fragment of human LAMP1 protein, or with a synthetic peptide corresponding to residues surrounding Ala520 of human AIF protein, residues surrounding Ser70 of human EEA1 protein, the sequence of human PDI protein, or residues surrounding Gly147 of human RCAS1 protein.

**Storage:** Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. *Do not aliquot the antibodies.*

**Please visit [www.cellsignal.com](http://www.cellsignal.com) for validation data and a complete listing of recommended companion products.**

U.S. Patent No. 5,675,063  
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**Applications Key:** W—Western IP—Immunoprecipitation IHC—Immunohistochemistry ChIP—Chromatin Immunoprecipitation IF—Immunofluorescence F—Flow cytometry E-P—ELISA-Peptide  
**Species Cross-Reactivity Key:** H—human M—mouse R—rat Hm—hamster Mk—monkey Mi—mink C—chicken Dm—D. melanogaster X—Xenopus Z—zebrafish B—bovine  
 Dg—dog Pg—pig Sc—S. cerevisiae Ce—C. elegans Hr—horse AI—all species expected Species enclosed in parentheses are predicted to react based on 100% homology.