

# Anti-Plant Actin Rabbit Polyclonal Antibody



<u>Catalog No.</u>	<u>Size</u>
E021080-01	100µl
E021080-02	500µl
E021080-03	50µl

<b>Specificity</b>	Anti- Plant Actin (Arabidopsis icotiana tabacum Oryza sativa Hordeum vulgare)
<b>Source</b>	Rabbit Polyclonal
<b>Application</b>	WB
<b>Form</b>	Liquid, 0.5mg/ml

## Background Information

All eukaryotic cells express Actin, which often constitutes as much as 50% of total cellular protein. Actin filaments can form both stable and labile structures and are crucial components of microvilli and the contractile apparatus of muscle cells. Actins are highly conserved proteins that are involved in cell motility, structure and integrity.

## Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: Western blot (1:1000-1:5000),

## Source and Purification

This polyclonal antibody is produced by immunizing rabbits with a synthetic peptide derived from within N-terminal residues of Oryza sativa actin coupled to KLH. Antibodies are purified by protein A affinity chromatography.

## Specificity and Sensitivity

Anti- Plant Actin polyclonal Antibody recognizes Plant Actins expressed in Arabidopsis, Nicotiana tabacum, Oryza sativa and Hordeum vulgare. And it is predicted to work with Brassica napus, Gossypium herbaceum, Solanum tuberosum, Setaria italic, Triticum monococcum, Brachypodium distachyon, Chrysanthemum seticuspe, Glycine max, Mangifera, Thellungiella halophila, Zoysia japonica, Isatis tinctoria.

## Storage Buffer

PBS, pH 7.4 with 0.05% sodium azide, 50% Glycerol.

## Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

## Images



Western blot analysis using primary antibody Plant-actin  
Lane1 lysates of Nicotiana tabacum 1:5000  
Lane2 lysates of Oryza sativa 1:5000