

GAL4 DNA Binding Domain Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15692
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of GAL4 DNA Binding Domain
Mol wt	N/A
Species reactivity	N/A
Clonality	Polyclonal
Recommended application	WB
Concentration	N/A
Full name	N/A
Synonyms	N/A

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The GAL4 protein of *Saccharomyces cerevisiae* is one of the most thoroughly characterized transcriptional activators. Since the N-terminal 147 amino acid residues of GAL4 are sufficient to mediate specific and strong binding to DNA, but are incapable of efficient transcriptional activation, this protein fragment has frequently been used to confer specific DNA binding in experiments examining transcriptional activation functions of heterologous proteins. This approach is facilitated by the finding that higher eukaryotes lack endogenous proteins that enhance transcription from the consensus GAL4-binding site. Fusions between GAL4 (aa 1-147) and activating domains from a variety of transcriptional regulatory proteins can activate transcription in yeast, plant, insects and mammalian cells. A unique "two-hybrid" system has been developed using GAL4 fusions in yeast to identify specific protein-protein interactions.

Recommended Dilution

WB: 1: 10000 - 1: 50000

Not yet tested in other applications.

Images



Western blot analysis of Recombinant BD protein using GAL4 DNA Binding Domain Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Storage

-20°C for 1 year