

## Product datasheet

# Anti-WSTF antibody - Carboxyterminal end ab50632

2 References 2 图像

### 概述

产品名称	Anti-WSTF 抗体- Carboxyterminal end
描述	兔多克隆抗体 to WSTF - Carboxyterminal end
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, IP, ICC/IF
种属反应性	与反应: Mouse, Human 预测可用于: Rat
免疫原	Synthetic peptide conjugated to KLH by a Cysteine residue linker, corresponding to amino acids 1467-1483 of Human WSTF <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
阳性对照	WB: Extracts of MCF-7 breast cancer cell line ICC/IF: paraformaldehyde fixed NIH-3T3 cells IP: lysates of HEK293-T cells.

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 15mM Sodium Azide Constituents: 0.01M PBS, pH 7.4
纯度	Immunogen affinity purified
纯化说明	Ab50632 is affinity purified using the immunizing peptide immobilized on agarose.
克隆	多克隆
同种型	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab50632** in the following tested applications.

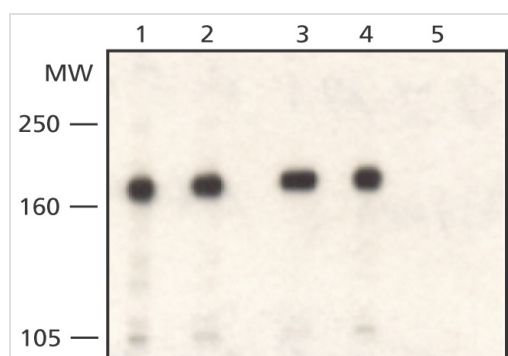
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
IHC-P		Use at an assay dependent concentration. PubMed: 18597617
WB		Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 175 kDa (predicted molecular weight: 171 kDa).
IP		Use at an assay dependent concentration.
ICC/IF		Use a concentration of 10 - 20 µg/ml.

## 靶标

<b>功能</b>	Atypical tyrosine-protein kinase that plays a central role in chromatin remodeling and acts as a transcription regulator. Involved in DNA damage response by phosphorylating 'Tyr-142' of histone H2AX (H2AXY142ph). H2AXY142ph plays a central role in DNA repair and acts as a mark that distinguishes between apoptotic and repair responses to genotoxic stress. Essential component of the WICH complex, a chromatin remodeling complex that mobilizes nucleosomes and reconfigures irregular chromatin to a regular nucleosomal array structure. The WICH complex regulates the transcription of various genes, has a role in RNA polymerase I and RNA polymerase III transcription, mediates the histone H2AX phosphorylation at 'Tyr-142', and is involved in the maintenance of chromatin structures during DNA replication processes. In the complex, it mediates the recruitment of the WICH complex to replication foci during DNA replication. Also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene. In the WINAC complex, plays an essential role by targeting the complex to acetylated histones, an essential step for VDR-promoter association.
<b>组织特异性</b>	Ubiquitously expressed with high levels of expression in heart, brain, placenta, skeletal muscle and ovary.
<b>疾病相关</b>	Note=BAZ1B is located in the Williams-Beuren syndrome (WBS) critical region. WBS results from a hemizygous deletion of several genes on chromosome 7q11.23, thought to arise as a consequence of unequal crossing over between highly homologous low-copy repeat sequences flanking the deleted region. Haploinsufficiency of BAZ1B may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in the disease.
<b>序列相似性</b>	Belongs to the WAL family. BAZ1B subfamily. Contains 1 bromo domain. Contains 1 DDT domain. Contains 1 PHD-type zinc finger. Contains 1 WAC domain.
<b>发展阶段</b>	Expressed at equal levels in 19-23 weeks old fetal tissues.
<b>结构域</b>	The N-terminal part (1-345), including the WAC domain and the C motif, mediates the tyrosine-protein kinase activity. The bromo domain mediates the specific interaction with acetylated histones.
<b>翻译后修饰</b>	Phosphorylated upon DNA damage, probably by ATM or ATR.
<b>细胞定位</b>	Nucleus. Accumulates in pericentromeric heterochromatin during replication. Targeted to replication foci throughout S phase via its association with PCNA.

## 图片



Western blot - WSTF antibody - Carboxyterminal end (ab50632)

**Lane 1 :** Anti-WSTF antibody -

Carboxyterminal end (ab50632) at 2  $\mu\text{g/ml}$

**Lanes 2 & 4-5 :** Anti-WSTF antibody -

Carboxyterminal end (ab50632) at 1  $\mu\text{g/ml}$

**Lane 3 :** Anti-WSTF antibody -

Carboxyterminal end (ab50632) at 0.5  $\mu\text{g/ml}$

**Lanes 1-3 :** MCF7 cell lysate

**Lane 4 :** MCF7 cell lysate with non-relevant peptide

at 10  $\mu\text{g/ml}$

**Lane 5 :** MCF7 cell lysate with WSTF immunizing peptide

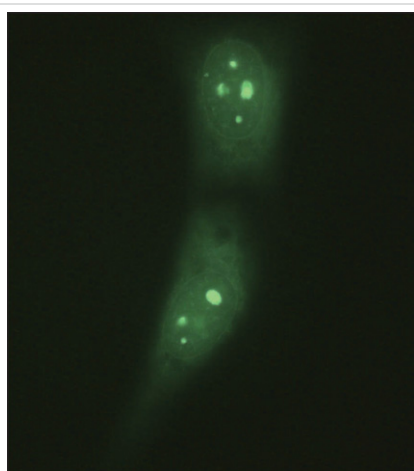
at 10  $\mu\text{g/ml}$

### Secondary

**All lanes :** Goat Anti-Rabbit IgG, Peroxidase conjugate

**Predicted band size:** 171 kDa

**Observed band size:** 175 kDa



Immunocytochemistry/ Immunofluorescence - WSTF antibody - Carboxyterminal end (ab50632)

Nuclear foci of WSTF in 3T3 cells stained by ab50632 at 10  $\mu\text{g/ml}$  by Immunofluorescence.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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