

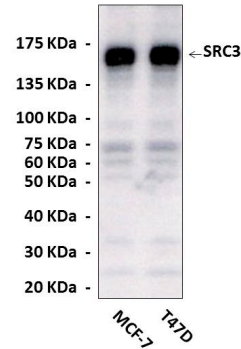
BACKGROUND

Nuclear hormone receptors are ligand-dependent transcription factors that require coactivators to regulate target gene expression. The steroid receptor coactivator-3 (SRC-3), also known as p/CIP, RAC3, AIB1, ACTR and TRAM-1, is a cancer-amplified coactivator in the SRC gene family that also contains SRC-1 and SRC-2. SRC-3 interacts with nuclear receptors and certain other transcription factors, recruits histone acetyltransferases and methyltransferases for chromatin remodeling and facilitates target gene transcription.¹ SRC-3 phosphorylation and methylation have been shown to regulate such coactivator complex assembly.^{2,3} Accumulated results from both ex vivo and animal model studies indicate that SRC-3 plays important roles in many biological processes involving cell proliferation, cell migration, cell differentiation, somatic growth, sexual maturation, female reproductive function, and vasoprotection¹. Moreover, SRC-3 has been associated with multiple cancers, including breast, gastric and prostate cancers.⁴

References:

1. Liao L et al.: J Steroid Biochem Mol Biol 83:3, 2002.
2. Feng Q et al.: Mol Cell Biol 26:7846, 2006.
3. Wu H et al.: J Biol Chem 281:21848, 2006.
4. Yan J et al.: Acta Pharmacol Sin 27:387, 2006.

QUALITY CONTROL DATA



Specific detection of SRC-3/AIB-1 proteins in MCF7 and T47D breast cancer cell lysates by Western Blot analysis using SRC-3/AIB-1 Monoclonal Antibody (14H6).

TECHNICAL INFORMATION

Source:

Affinity purified Phospho-SRC-3 (Thr24) Antibody is a monoclonal antibody recombinant human SRC-3/ AIB-1 protein N-terminal fragments (1-250 aa).

Specificity and Sensitivity:

This antibody detects endogenous phospho-human and mouse SRC-3/AIB-1.

Storage Buffer: PBS and 30% glycerol

Storage:

Store at -20°C for at least one year. Store at 4°C for frequent use. Avoid repeated freeze-thaw cycles.

APPLICATIONS

Application:	*Dilution:
WB	1:1000
IP	n/d
IHC (Paraffin)	n/d
ICC	n/d
FACS	n/d

**Optimal dilutions must be determined by end user.*

