

7. Abbreviations

°C	degree celsius
μ	micro
A	Ampere, adenosine
Aa	amino acid(s)
Ab	antibody
APC	antigen presenting cell
APS	ammonium peroxosulfate
ATCC	American type culture collection
ATP	adenosine triphosphate
bp	base pair
BSA	bovine serum albumin
C	cytidine
CA	chloramphenicol
CCR	central conserved region
cDNA	complementary DNA
CHX	cycloheximide
Ci	Curie
CIP	calf intestinal phosphatase
CRM1	chromosomal region maintenance 1
CSF	colony stimulatory factor
Da	Dalton
DEPC	diethylpyrocarbonate
dIdC	desoxyinosidphosphate-desoxycytidinephosphate
DIF	differentiation-inducing factor
DMA	dimethyl-arginine
DMEM	Dulbecco's modified Eagle's medium
DMSO	dimethylsulfoxide
DNA	desoxribonucleic acid
dNTP	desoxyribonucleotide
DSMZ	Deutsche Sammlung von Mikroorganismen und Zellkulturen
DTT	dithio-1,4-threitol
EDTA	ethylen-diamine-N,N,N',N'-tetraacetate
EGF	epidermal growth factor
EGFP	enhanced green fluorescent protein
EGFR	EGF receptor
EGTA	1,2-bis-(2-aminoethoxyethane) -N,N,N',N'-tetraacetic acid
EMSA	electromobility shift assay
EPO	erythropoietin
ESI	electrospray ionisation
EPOR	EPO receptor
EtOH	ethanol
FCS	fetal calf serum
FITC	fluorescein-isothiocyanate
g	gram(s), gravity
G	guanosine
GAPDH	glyceraldehydephosphate dehydrogenase
GAS	interferon γ -activated site

7. Abbreviations

GFP	green fluorescent protein
GSH	glutathione
GST	glutathione S-transferase
h	hour(s)
HEPES	N-(2-hydroxyethyl)-1-piperazinyl-ethanesulfonic acid
HRP	horseradish peroxidase
IB	immunoblot
IFN	interferon
IFNR	IFN receptor
IgG	immunoglobulin G
IL	interleukine
IP	immunoprecipitation
IPTG	Isopropyl- β -D-thiogalactopyranoside
ISGF3	interferon-stimulated growth factor 3
ISRE	interferon-stimulated response element
JAK	janus kinase
k	kilo
l	liter
LB	Luria broth
LMB	leptomycin B
m	milli, meter
M	molar
MALDI	matrix assisted laser-desorption/ionisation mass spectrometry
MAPK	mitogen-activated protein kinase
MAPKK	MAPK kinase
MeOH	methanol
min	minute(s)
MHC	major histocompatibility complex
MOPS	morpholinopropanesulfonic acid
mRNA	messenger RNA
MS	mass spectrometry
MTA	methylthioadenosine
MTAP	methylthioadenosine phosphorylase
n	nano
NES	nuclear export signal
NF- κ B	nuclear factor- κ B
NK	natural killer
NLS	nuclear localisation signal
NPC	nuclear pore complex
NP-40	Nonidet P-40
OD	optical density
ON	over night
ONPG	ortho-nitrophenyl- β -D-galactopyranoside
p.a.	pro analysis
PAGE	polyacrylamide gel electrophoresis
PBS	phosphate-buffered saline
PCR	polymerase chain reaction
PDB	protein data base
PDGF	platelet-derived growth factor
PIAS1	protein inhibitor of activated STAT1
PMRT	protein arginine methyltransferase

PMSF	phenylmethylsulfonylfluoride
PTP	protein tyrosine phosphatase
RAT	ratjadone
RNA	ribonucleic acid
rpm	revolutions per minute
RT	room temperature
RT-PCR	reverse transcriptase PCR
SDS	sodium dodecylsulfate
SDS-PAGE	SDS polyacrylamide gelelectrophoresis
sec	seconds
SH2	src-homology 2
STAT	signal transducer and activator of transcription
T	thymidine
TAE	Tris-acetate EDTA
TBE	Tris-borate EDTA
TBS	Tris-buffered saline
TC-PTP	T-cell protein tyrosine phosphatase
TE	Tris EDTA
TEMED	N,N,N',N'-Tetramethylethylenediamine
TOF	time of flight
TNF	tumor necrosis factor
Tris	2-amino-2-hydroxymethyl-1,3-propanediol
TRITC	tetramethylrhodamine isothiocyanate
U	units
UV	ultraviolet
V	Volt
v	volume
w	weight
WB	Western blot
WCE	whole cell extract
WGA	wheat germ agglutinine
WT	wild type
X-Gal	5-bromo-4-chloro-3-indoxyl- β -D-galactoside

Amino acids

A	Ala, alanine
C	Cys, cysteine
D	Asp, aspartate
E	Glu, glutamate
F	Phe, phenylalanine
G	Gly, glycine
H	His, histidine
I	Ile, isoleucine
K	Lys, lysine
L	Leu, leucine
M	Met, methionine
N	Asn, asparagine
P	Pro, proline

7. Abbreviations

Q	Gln, glutamine
R	Arg, arginine
S	Ser, serine
T	Thr, threonine
V	Val, valine
W	Trp, tryptophane
Y	Tyr, tyrosine